

Science: Earth Science / Knowing (S032115 - S01_01)
 Label: Percentage of fresh water on earth
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	766	24.1	9.1	16.5	45.8	24.1	4.1	0.3	24.5	23.7
Armenia	621	51.4	7.7	5.7	28.2	51.4	6.9	0.1	47.8	54.9
Australia	582	41.9	0.7	6.6	48.6	41.9	1.9	0.3	29.4	53.4
Bahrain	606	29.6	7.1	15.4	46.5	29.6	0.9	0.5	24.1	34.9
Bosnia and Herzegovina	602	60.3	3.9	5.5	27.4	60.3	2.6	0.3	56.4	64.4
Botswana	.	.	.	.	.	.	.	.	.	.
Bulgaria	439	39.1	8.7	12.1	37.0	39.1	3.1	0.0	39.4	38.8
Chinese Taipei	574	60.3	1.4	2.5	35.7	60.3	0.2	0.0	55.2	65.4
Colombia	689	27.3	10.5	22.6	37.1	27.3	2.4	0.0	19.7	35.0
Cyprus	625	35.2	5.1	7.3	51.8	35.2	0.6	0.0	31.5	38.7
Czech Republic	694	65.4	1.6	3.8	27.6	65.4	1.6	0.0	63.6	67.0
Egypt	933	40.0	10.3	9.9	38.8	40.0	0.9	0.0	37.1	42.9
El Salvador	572	29.9	10.0	16.7	40.2	29.9	2.6	0.7	24.4	35.2
England	589	29.7	2.2	8.5	59.2	29.7	0.4	0.0	30.1	29.3
Georgia	601	41.5	5.5	12.5	37.0	41.5	3.5	0.0	39.3	43.5
Ghana	.	.	.	.	.	.	.	.	.	.
Hong Kong SAR	501	50.6	2.0	5.5	41.6	50.6	0.3	0.0	42.2	58.9
Hungary	582	61.2	1.0	4.9	32.8	61.2	0.1	0.0	55.3	66.9
Indonesia	606	15.7	13.8	26.6	39.5	15.7	4.1	0.4	13.6	17.7
Iran, Islamic Rep. of	571	39.7	3.2	12.9	43.2	39.7	1.1	0.0	34.5	43.9
Israel	460	55.2	7.9	7.9	27.3	55.2	1.7	0.0	54.2	56.3
Italy	631	57.5	2.8	5.5	32.2	57.5	2.0	0.1	53.0	61.7
Japan	609	42.5	0.7	4.5	51.5	42.5	0.3	0.4	41.8	43.4
Jordan	743	32.5	8.6	13.8	43.3	32.5	1.9	0.0	30.3	34.5
Korea, Rep. of	612	55.6	1.0	5.8	37.5	55.6	0.1	0.0	47.7	62.5
Kuwait	581	27.6	5.8	12.9	50.9	27.6	2.8	0.0	26.3	29.0
Lebanon	530	19.9	19.9	12.8	44.0	19.9	3.4	0.0	16.7	23.8
Lithuania	571	55.1	2.0	5.1	37.0	55.1	0.8	0.0	48.2	61.9
Malaysia	643	35.4	4.2	10.6	47.9	35.4	1.9	0.0	30.9	40.3
Malta	671	23.8	7.1	14.9	53.6	23.8	0.6	0.0	18.7	28.8
Morocco	432	18.6	13.0	22.8	41.9	18.6	3.1	0.6	16.0	21.2
Norway	655	65.7	0.7	4.8	27.8	65.7	0.8	0.1	60.4	71.3
Oman	661	53.9	10.6	10.3	23.5	53.9	1.5	0.2	60.5	46.8
Palestinian Nat'l Auth.	624	19.5	15.1	16.8	47.6	19.5	0.9	0.0	17.2	22.0
Qatar	1037	12.9	19.9	20.4	46.4	12.9	0.4	0.0	10.7	15.1
Romania	604	35.3	7.5	10.2	43.8	35.3	3.1	0.1	30.2	39.9
Russian Federation	642	53.8	2.9	8.6	33.5	53.8	1.2	0.0	49.5	58.3
Saudi Arabia	609	18.1	10.2	12.7	57.1	18.1	1.9	0.0	14.7	21.4
Scotland	574	25.1	3.7	10.3	60.0	25.1	0.9	0.0	20.1	30.2
Serbia	575	46.6	4.4	6.1	39.9	46.6	3.0	0.0	37.7	55.1
Singapore	654	58.0	2.2	5.3	34.3	58.0	0.2	0.0	60.5	55.7
Slovenia	578	73.5	0.6	2.8	22.8	73.5	0.3	0.0	69.0	77.4
Sweden	743	66.9	0.3	3.8	28.1	66.9	0.8	0.0	61.1	72.5
Syrian Arab Republic	661	19.4	11.7	18.0	49.3	19.4	1.6	0.0	12.4	27.3
Thailand	773	43.7	7.2	11.4	36.5	43.7	1.3	0.0	41.5	45.8
Tunisia	581	29.0	7.5	16.0	45.0	29.0	2.4	0.0	22.1	36.6
Turkey	629	43.9	2.7	9.9	40.6	43.9	2.9	0.0	39.4	47.1
Ukraine	637	44.3	8.4	9.8	36.0	44.3	1.4	0.0	36.3	52.5
United States	1073	41.1	1.6	9.2	47.2	41.1	0.5	0.4	34.3	48.6
International Avg.	637	40.8	6.3	10.6	40.5	40.8	1.7	0.1	36.8	44.7
Basque Country, Spain	332	58.4	0.9	6.9	32.7	58.4	1.0	0.0	52.3	63.8
British Columbia, Canada	607	49.1	1.3	6.0	41.6	49.1	1.5	0.4	42.7	57.1
Dubai, UAE	464	42.3	4.3	6.5	45.4	42.3	1.5	0.1	42.0	42.7
Massachusetts, US	277	50.3	0.0	3.4	45.0	50.3	1.2	0.0	42.7	59.1
Minnesota, US	251	52.5	1.2	5.6	40.2	52.5	0.5	0.0	47.7	57.4
Ontario, Canada	487	51.3	1.0	8.4	37.7	51.3	1.6	0.0	48.2	54.9
Quebec, Canada	558	54.3	1.8	6.3	37.0	54.3	0.4	0.2	53.8	54.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Reasoning (S032565 - S01_02)
 Label: Density of salt solution
 Type: CR Key: -

COUNTRY	N	10	11	19	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	743	14.5	1.4	0.4	9.9	3.3	9.1	49.8	11.2	0.5	16.3	18.9	13.7
Armenia	617	18.0	0.4	0.0	37.0	5.8	12.7	10.1	15.9	0.1	18.4	18.8	18.0
Australia	582	7.0	28.8	0.2	31.1	10.1	16.9	1.8	3.8	0.3	36.0	36.6	35.4
Bahrain	606	9.6	24.5	0.4	29.7	11.6	13.8	5.1	4.8	0.5	34.5	45.4	24.2
Bosnia and Herzegovina	602	5.5	4.3	0.3	32.0	20.5	19.5	1.4	16.2	0.3	10.1	10.7	9.5
Botswana	601	4.0	10.0	0.3	31.9	13.7	25.6	11.1	3.5	0.0	14.2	17.7	10.5
Bulgaria	439	7.9	3.0	0.2	38.2	12.2	17.8	2.9	17.8	0.0	11.1	10.1	12.0
Chinese Taipei	574	9.4	20.2	1.5	24.2	14.3	29.0	0.2	1.3	0.0	31.1	32.7	29.5
Colombia	689	8.5	20.4	0.0	31.8	17.9	14.6	0.8	5.7	0.3	29.0	25.0	33.0
Cyprus	625	2.3	22.3	0.5	29.6	14.8	24.1	0.8	5.6	0.0	25.1	30.1	20.5
Czech Republic	694	14.9	24.7	0.8	27.6	12.0	13.6	0.5	5.9	0.0	40.4	41.9	39.0
Egypt	935	7.4	6.2	0.0	37.2	16.3	26.3	1.9	4.7	0.0	13.6	17.1	10.2
El Salvador	572	4.9	2.3	0.0	35.8	21.1	19.0	1.4	14.5	1.0	7.2	7.0	7.4
England	589	15.1	35.9	0.0	19.0	11.0	15.9	0.5	2.6	0.0	51.1	54.1	47.9
Georgia	601	2.1	0.5	1.1	30.3	14.4	19.8	7.0	24.9	0.0	3.7	4.7	3.0
Ghana	755	4.6	4.6	0.0	21.8	18.7	17.9	9.4	21.9	1.0	9.2	9.8	8.7
Hong Kong SAR	501	14.5	14.3	0.0	35.5	7.5	24.9	1.3	2.1	0.0	28.8	31.3	26.3
Hungary	582	18.2	21.0	0.0	28.9	9.9	16.2	0.5	5.3	0.0	39.2	43.6	34.9
Indonesia	606	9.0	9.3	0.4	26.8	16.6	17.1	10.3	10.1	0.4	18.7	19.9	17.6
Iran, Islamic Rep. of	571	6.1	8.9	0.3	28.0	22.1	30.3	0.8	3.4	0.0	15.4	17.7	13.4
Israel	460	16.1	4.5	0.3	28.4	16.9	18.4	3.8	11.6	0.0	20.9	22.4	19.3
Italy	631	14.1	16.9	0.1	31.4	12.0	15.4	0.8	9.2	0.1	31.1	32.7	29.6
Japan	609	21.0	31.1	0.0	15.4	10.8	18.2	0.8	2.1	0.4	52.2	51.7	52.8
Jordan	743	8.1	14.1	0.8	27.7	19.1	23.2	3.1	4.0	0.0	23.0	25.9	20.4
Korea, Rep. of	612	12.8	43.3	0.0	18.3	7.5	16.2	0.4	1.4	0.0	56.1	56.0	56.2
Kuwait	581	5.5	8.4	4.8	27.2	10.5	17.3	19.8	6.4	0.2	18.7	23.0	13.8
Lebanon	533	5.5	9.2	1.6	33.2	21.8	20.4	3.4	4.9	0.0	16.2	15.1	17.7
Lithuania	572	12.7	17.7	0.0	28.4	14.5	19.3	0.5	7.0	0.0	30.3	32.2	28.4
Malaysia	643	13.6	16.0	0.7	34.7	8.8	20.8	1.2	4.3	0.0	30.3	32.2	28.2
Malta	670	11.6	18.7	0.0	25.9	14.7	24.5	1.8	3.0	0.0	30.3	31.1	29.5
Morocco	440	3.0	8.9	2.0	0.8	40.0	1.5	28.1	14.9	0.8	13.8	14.6	12.9
Norway	655	6.7	16.0	0.6	33.8	15.9	22.2	0.8	3.8	0.1	23.3	25.6	20.9
Oman	661	5.7	17.7	0.3	32.1	18.5	18.6	2.6	4.2	0.2	23.7	30.7	16.1
Palestinian Nat'l Auth.	624	3.8	7.5	1.0	30.0	19.9	30.8	3.2	3.8	0.0	12.3	14.6	9.9
Qatar	1037	1.9	3.8	0.0	29.7	23.1	34.2	3.3	4.0	0.0	5.7	8.0	3.5
Romania	604	7.4	6.4	0.0	32.3	22.2	21.9	0.1	9.6	0.1	13.8	15.5	12.2
Russian Federation	642	7.2	22.2	0.0	29.6	11.0	19.3	1.3	9.5	0.0	29.3	31.2	27.4
Saudi Arabia	609	11.7	2.3	0.3	36.0	18.9	23.3	2.2	4.4	0.8	14.3	18.5	10.3
Scotland	574	6.0	23.5	0.0	31.0	14.7	18.9	0.9	5.0	0.0	29.4	30.6	28.2
Serbia	579	7.8	6.2	0.0	28.8	13.1	20.9	2.1	21.1	0.0	14.0	13.8	14.2
Singapore	654	18.7	26.8	0.0	17.7	10.1	25.2	0.6	0.9	0.0	45.4	44.0	46.7
Slovenia	578	15.2	30.0	0.1	21.9	13.5	16.5	1.0	1.8	0.0	45.3	44.3	46.1
Sweden	743	13.6	14.6	0.0	33.6	9.3	22.3	1.1	5.5	0.0	28.2	31.4	25.2
Syrian Arab Republic	661	7.2	4.6	1.7	21.8	22.1	18.4	10.9	13.2	0.0	13.5	14.6	12.3
Thailand	773	12.4	17.1	0.3	27.2	10.3	21.0	1.8	10.0	0.0	29.8	35.1	24.7
Tunisia	581	9.5	14.4	1.1	33.9	15.4	20.4	0.5	4.8	0.0	25.0	25.0	25.0
Turkey	629	9.5	9.9	0.2	33.0	11.9	21.9	3.1	10.5	0.0	19.6	25.8	15.2
Ukraine	637	6.4	14.5	1.2	32.4	16.0	17.7	0.4	11.4	0.0	22.1	24.2	20.0
United States	1073	21.5	26.0	0.1	19.8	12.6	17.0	0.7	1.9	0.4	47.7	48.2	47.1
International Avg.	639	9.8	14.6	0.5	28.2	14.9	19.8	4.4	7.7	0.2	24.9	26.8	23.0
Basque Country, Spain	332	12.6	22.2	0.2	20.3	15.4	25.8	1.5	2.0	0.0	35.0	34.9	35.1
British Columbia, Canada	607	19.1	29.2	0.1	18.1	12.9	15.2	1.5	3.4	0.4	48.4	50.6	45.7
Dubai, UAE	464	10.8	16.4	0.0	25.7	11.4	24.8	4.8	6.0	0.1	27.2	24.6	29.8
Massachusetts, US	277	22.5	34.0	0.4	11.5	9.2	18.5	0.7	3.2	0.0	56.9	54.7	59.3
Minnesota, US	251	23.6	35.2	0.0	16.6	10.9	13.6	0.1	0.0	0.0	58.8	60.0	57.5
Ontario, Canada	487	19.6	30.9	0.0	18.7	10.1	15.0	1.4	4.3	0.0	50.5	50.7	50.2
Quebec, Canada	558	15.1	22.4	0.0	21.6	17.8	17.4	1.9	3.6	0.2	37.5	39.9	35.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S032403 - S01_03)
 Label: Liquid compared to a gas
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	23.1	8.8	26.7	23.1	34.0	6.8	0.5	24.4	21.9
Armenia	622	46.7	11.9	11.8	46.7	16.8	12.6	0.1	44.7	48.6
Australia	582	44.7	9.0	12.4	44.7	32.7	0.8	0.3	36.0	52.7
Bahrain	606	32.5	13.5	21.2	32.5	30.4	1.7	0.7	31.0	34.0
Bosnia and Herzegovina	602	38.1	18.0	16.1	38.1	18.7	8.8	0.3	35.8	40.5
Botswana	601	32.4	16.5	22.2	32.4	28.0	0.9	0.0	34.1	30.7
Bulgaria	439	48.9	10.9	14.9	48.9	20.8	4.1	0.4	49.3	48.6
Chinese Taipei	574	48.2	16.4	14.5	48.2	19.4	1.5	0.0	46.3	50.1
Colombia	689	26.0	11.2	18.1	26.0	42.7	1.5	0.6	24.2	27.9
Cyprus	625	43.0	10.5	22.2	43.0	23.6	0.7	0.0	40.3	45.5
Czech Republic	694	40.1	11.2	14.5	40.1	30.9	3.4	0.0	36.7	43.0
Egypt	934	32.6	10.1	26.8	32.6	28.8	1.7	0.0	30.9	34.2
El Salvador	572	21.7	14.3	25.5	21.7	32.7	4.3	1.6	20.3	23.1
England	589	61.6	8.2	8.7	61.6	20.3	1.2	0.0	59.6	63.7
Georgia	601	35.7	15.9	12.7	35.7	26.1	9.1	0.4	35.7	35.7
Ghana	755	29.7	15.2	24.5	29.7	27.5	1.6	1.4	27.9	31.2
Hong Kong SAR	501	47.0	20.2	13.6	47.0	18.0	1.2	0.0	44.5	49.4
Hungary	582	48.1	7.7	10.6	48.1	31.2	2.5	0.0	44.1	52.0
Indonesia	606	23.3	14.2	25.2	23.3	33.7	3.2	0.4	23.2	23.5
Iran, Islamic Rep. of	571	49.9	11.3	13.0	49.9	24.5	1.3	0.0	50.4	49.5
Israel	460	61.2	6.4	11.5	61.2	19.0	1.8	0.2	66.7	55.1
Italy	630	40.9	11.4	16.6	40.9	27.9	3.0	0.3	40.7	41.1
Japan	609	47.5	13.2	19.8	47.5	17.8	1.2	0.4	50.5	44.3
Jordan	743	38.3	9.4	15.6	38.3	35.1	1.4	0.3	42.0	35.0
Korea, Rep. of	612	75.5	9.0	6.9	75.5	8.4	0.0	0.2	72.8	77.8
Kuwait	581	34.7	10.2	26.6	34.7	25.2	2.6	0.7	30.7	39.2
Lebanon	529	34.1	10.8	22.2	34.1	28.0	4.5	0.5	31.5	37.3
Lithuania	572	44.9	16.2	12.9	44.9	22.8	3.3	0.0	45.8	44.0
Malaysia	643	48.3	17.1	15.7	48.3	18.6	0.2	0.1	46.6	50.1
Malta	670	49.9	11.1	19.3	49.9	18.3	1.5	0.0	45.6	54.2
Morocco	431	29.4	7.0	21.1	29.4	36.4	5.0	1.1	27.7	31.2
Norway	655	42.1	16.0	14.9	42.1	22.7	3.8	0.4	40.1	44.2
Oman	661	30.3	15.5	30.0	30.3	21.5	2.5	0.2	32.0	28.5
Palestinian Nat'l Auth.	628	29.8	8.7	21.2	29.8	38.5	1.6	0.0	26.6	33.3
Qatar	1037	34.3	12.8	26.9	34.3	23.7	2.2	0.1	34.9	33.8
Romania	603	34.2	14.0	18.4	34.2	29.7	3.4	0.2	34.1	34.3
Russian Federation	642	44.1	12.6	15.7	44.1	24.7	2.9	0.0	39.4	48.9
Saudi Arabia	608	22.4	10.4	26.9	22.4	37.8	1.6	1.0	19.8	24.9
Scotland	574	45.0	12.3	15.5	45.0	26.2	0.8	0.1	37.7	52.4
Serbia	577	37.3	16.2	13.7	37.3	25.1	7.7	0.0	33.9	40.5
Singapore	654	68.3	6.8	11.1	68.3	13.8	0.0	0.0	67.5	69.0
Slovenia	578	54.9	9.7	10.8	54.9	23.9	0.7	0.0	50.5	58.7
Sweden	743	43.9	18.0	12.6	43.9	23.1	2.2	0.3	40.8	46.9
Syrian Arab Republic	661	36.4	9.5	19.5	36.4	29.3	5.1	0.3	37.3	35.4
Thailand	773	43.6	19.3	16.2	43.6	17.5	3.4	0.0	47.5	40.0
Tunisia	581	30.3	5.5	21.7	30.3	38.8	3.7	0.0	27.7	33.3
Turkey	629	39.3	10.3	16.6	39.3	30.6	3.2	0.0	40.4	38.5
Ukraine	637	37.4	12.8	17.8	37.4	28.1	3.9	0.0	34.0	40.9
United States	1073	46.3	11.9	14.8	46.3	25.5	1.0	0.5	42.6	50.4
International Avg.	639	40.8	12.2	17.7	40.8	26.1	2.9	0.3	39.3	42.2
Basque Country, Spain	332	44.6	9.5	15.5	44.6	29.1	1.2	0.0	41.1	47.7
British Columbia, Canada	607	61.6	8.0	12.5	61.6	14.8	2.7	0.4	59.3	64.5
Dubai, UAE	463	47.1	9.8	16.7	47.1	24.2	2.1	0.1	49.6	44.6
Massachusetts, US	277	60.0	8.9	7.9	60.0	21.8	1.5	0.0	56.0	64.5
Minnesota, US	251	48.7	9.4	18.3	48.7	22.8	0.8	0.0	37.9	60.0
Ontario, Canada	487	52.3	8.4	14.0	52.3	24.7	0.6	0.0	47.0	58.7
Quebec, Canada	558	39.5	10.9	17.1	39.5	29.2	3.2	0.2	38.8	40.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S032273 - S01_04)
 Label: Iron nail with wire coiled around it
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	766	52.1	1.3	27.6	52.1	15.2	3.0	0.8	47.8	56.3
Armenia	620	43.9	3.7	36.6	43.9	8.7	6.8	0.4	39.0	48.4
Australia	582	36.0	1.9	48.1	36.0	12.3	0.9	0.8	33.5	38.3
Bahrain	606	77.6	2.1	11.9	77.6	7.2	0.5	0.7	83.5	72.0
Bosnia and Herzegovina	602	46.3	1.9	37.2	46.3	12.5	1.8	0.3	48.9	43.6
Botswana	601	41.4	4.0	46.6	41.4	7.5	0.1	0.4	38.1	44.9
Bulgaria	439	40.7	3.6	41.1	40.7	11.3	2.9	0.5	37.2	44.0
Chinese Taipei	574	26.8	1.1	44.2	26.8	27.3	0.5	0.0	20.3	33.3
Colombia	689	26.8	1.6	48.5	26.8	21.6	0.5	1.1	21.1	32.5
Cyprus	625	27.7	3.0	42.7	27.7	26.2	0.4	0.0	25.8	29.5
Czech Republic	694	22.0	1.6	44.2	22.0	31.2	1.0	0.0	19.1	24.6
Egypt	934	20.0	9.4	46.5	20.0	23.2	0.9	0.0	17.8	22.1
El Salvador	572	29.7	4.3	50.7	29.7	12.6	0.7	1.9	24.0	35.4
England	589	55.9	0.6	34.8	55.9	8.6	0.1	0.0	53.9	58.0
Georgia	601	24.4	2.6	45.7	24.4	24.1	2.8	0.4	27.7	21.7
Ghana	755	20.3	6.9	53.8	20.3	17.0	0.7	1.4	22.6	18.4
Hong Kong SAR	501	26.2	2.5	30.7	26.2	39.8	0.9	0.0	18.9	33.3
Hungary	582	32.6	0.8	39.8	32.6	26.0	0.8	0.0	27.6	37.4
Indonesia	606	36.4	1.3	52.2	36.4	8.6	1.1	0.4	21.8	50.7
Iran, Islamic Rep. of	571	65.3	1.1	19.9	65.3	12.6	1.1	0.0	62.9	67.4
Israel	460	18.8	7.2	47.2	18.8	25.1	1.3	0.4	15.0	23.0
Italy	631	44.0	3.6	31.4	44.0	19.6	1.0	0.4	39.9	47.9
Japan	609	69.5	1.0	25.2	69.5	3.2	0.7	0.4	66.1	73.2
Jordan	743	48.7	2.6	28.3	48.7	19.0	1.1	0.3	50.9	46.8
Korea, Rep. of	612	27.3	2.1	62.2	27.3	8.2	0.0	0.2	19.2	34.3
Kuwait	581	64.8	1.5	23.5	64.8	6.7	2.6	0.8	66.6	62.7
Lebanon	527	20.0	4.5	48.9	20.0	24.6	1.5	0.5	16.4	24.5
Lithuania	571	29.9	1.2	45.0	29.9	23.3	0.6	0.0	23.7	36.1
Malaysia	643	14.8	3.4	58.1	14.8	23.4	0.3	0.1	11.5	18.3
Malta	672	28.2	3.4	51.6	28.2	16.1	0.6	0.1	23.9	32.4
Morocco	434	27.3	3.3	44.0	27.3	23.1	1.2	1.1	24.7	30.1
Norway	655	41.2	2.3	33.8	41.2	20.0	2.3	0.4	37.5	45.0
Oman	661	44.4	4.9	39.0	44.4	10.3	1.3	0.2	44.0	44.8
Palestinian Nat'l Auth.	628	38.4	6.5	34.6	38.4	19.1	1.3	0.0	29.7	47.7
Qatar	1037	42.2	11.6	31.5	42.2	13.6	1.0	0.1	40.2	44.2
Romania	604	28.7	2.6	41.1	28.7	26.6	0.7	0.2	29.8	27.8
Russian Federation	642	40.2	0.9	40.1	40.2	17.7	0.9	0.1	31.4	49.4
Saudi Arabia	608	31.7	4.2	45.0	31.7	17.5	0.3	1.2	32.5	31.0
Scotland	574	40.0	2.0	46.1	40.0	11.6	0.1	0.3	38.0	42.0
Serbia	574	42.0	3.4	34.5	42.0	18.3	1.8	0.0	39.0	44.9
Singapore	654	63.6	1.3	22.3	63.6	12.7	0.0	0.0	56.0	70.4
Slovenia	578	15.0	0.7	51.2	15.0	33.2	0.0	0.0	12.5	17.1
Sweden	743	46.0	1.2	32.4	46.0	19.3	0.8	0.3	38.5	53.2
Syrian Arab Republic	661	51.2	2.4	30.7	51.2	14.4	1.0	0.3	44.6	58.6
Thailand	773	32.7	1.9	45.9	32.7	18.9	0.6	0.0	29.7	35.6
Tunisia	581	15.0	4.8	29.2	15.0	49.3	1.7	0.0	12.4	17.8
Turkey	629	22.2	2.7	55.5	22.2	18.6	0.9	0.0	20.5	23.5
Ukraine	637	35.6	0.4	42.2	35.6	20.6	1.3	0.0	25.8	45.6
United States	1073	30.6	2.4	52.5	30.6	13.2	0.9	0.5	26.3	35.3
International Avg.	639	36.9	3.0	40.3	36.9	18.4	1.1	0.3	33.4	40.3
Basque Country, Spain	332	38.8	2.6	37.4	38.8	20.5	0.7	0.0	35.7	41.6
British Columbia, Canada	607	27.3	2.9	49.1	27.3	17.7	2.6	0.4	19.3	37.2
Dubai, UAE	463	50.8	2.2	35.9	50.8	9.1	1.7	0.3	51.3	50.2
Massachusetts, US	277	29.3	3.2	46.9	29.3	19.2	1.1	0.3	25.3	33.9
Minnesota, US	251	28.1	1.8	49.7	28.1	19.1	1.2	0.0	23.3	33.0
Ontario, Canada	487	34.2	2.4	51.0	34.2	11.8	0.6	0.0	30.6	38.4
Quebec, Canada	558	25.7	3.0	43.0	25.7	26.5	1.2	0.5	22.1	28.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S032019A - S01_05A)
 Label: Physical causes of weathering
 Type: CR Key: -

COUNTRY	N	10	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	751	4.5	1.5	1.5	1.2	35.5	55.0	0.9	6.0	6.7	5.3
Armenia	621	25.9	3.9	5.3	0.0	24.8	39.5	0.5	29.9	32.6	27.3
Australia	582	31.5	0.6	6.9	10.2	24.3	25.7	0.8	32.1	28.4	35.5
Bahrain	606	13.5	5.3	3.9	4.8	27.9	43.9	0.7	18.8	25.3	12.6
Bosnia and Herzegovina	602	4.6	0.9	8.7	8.8	17.2	59.5	0.3	5.6	7.0	4.1
Botswana	601	19.4	5.3	9.0	1.7	49.7	14.5	0.4	24.7	26.5	22.8
Bulgaria	439	18.0	1.4	12.6	4.0	8.3	55.2	0.5	19.4	21.0	17.9
Chinese Taipei	574	19.9	1.7	18.8	0.4	21.4	37.8	0.0	21.6	18.0	25.1
Colombia	689	2.1	0.1	1.1	5.1	37.8	52.8	1.1	2.2	1.6	2.8
Cyprus	625	21.4	0.5	1.7	0.0	21.0	55.4	0.0	21.9	20.2	23.6
Czech Republic	694	18.3	0.0	11.0	3.6	13.4	53.7	0.0	18.3	16.3	20.0
Egypt	935	10.2	0.0	10.3	1.6	37.6	40.3	0.0	10.2	10.0	10.4
El Salvador	572	0.8	0.0	0.5	1.6	24.3	70.7	2.1	0.8	0.7	0.8
England	589	39.8	0.0	11.2	6.0	20.2	22.8	0.0	39.8	43.0	36.4
Georgia	601	3.9	1.5	8.1	3.1	25.9	57.1	0.4	5.4	7.5	3.7
Ghana	755	3.7	0.1	2.5	6.3	32.8	53.2	1.5	3.7	4.1	3.4
Hong Kong SAR	501	15.2	0.4	4.8	1.4	25.8	52.5	0.0	15.6	13.5	17.6
Hungary	582	21.6	2.1	6.3	8.1	15.1	46.8	0.0	23.7	19.7	27.6
Indonesia	606	11.7	2.0	3.6	7.7	45.9	28.8	0.4	13.6	12.1	15.2
Iran, Islamic Rep. of	572	28.1	1.2	4.4	2.8	25.4	38.0	0.2	29.2	33.0	26.1
Israel	460	10.5	1.5	3.0	6.8	23.0	54.8	0.4	12.0	12.3	11.6
Italy	631	23.8	0.4	17.5	2.8	11.4	43.4	0.5	24.2	26.8	21.8
Japan	609	27.6	0.0	3.8	2.3	23.0	42.9	0.4	27.6	27.3	28.0
Jordan	743	25.5	1.4	5.5	0.9	31.7	34.6	0.3	26.9	35.8	18.9
Korea, Rep. of	612	38.2	0.0	5.3	3.0	30.7	22.6	0.2	38.2	34.1	41.8
Kuwait	579	3.8	1.7	1.4	0.5	31.9	59.9	0.8	5.5	6.2	4.7
Lebanon	533	2.7	1.3	3.1	2.6	23.6	66.2	0.5	4.1	5.0	3.0
Lithuania	572	14.5	0.4	10.4	2.5	17.4	54.7	0.0	15.0	15.4	14.6
Malaysia	643	3.2	0.2	2.6	2.8	39.0	51.9	0.2	3.5	2.8	4.2
Malta	672	15.4	0.6	7.0	6.6	25.2	44.9	0.1	16.0	13.3	18.7
Morocco	440	1.8	1.2	0.6	1.0	23.5	70.8	1.1	2.9	1.5	4.5
Norway	655	12.1	1.5	6.5	5.7	28.5	45.3	0.4	13.6	15.6	11.5
Oman	661	6.0	0.0	5.6	5.6	55.7	26.9	0.2	6.0	8.0	4.0
Palestinian Nat'l Auth.	629	7.4	1.7	5.8	2.1	46.0	37.1	0.0	9.1	10.3	7.9
Qatar	1037	1.9	0.1	2.2	1.2	43.9	50.6	0.1	2.0	2.7	1.3
Romania	604	12.0	0.9	8.8	8.5	15.7	53.8	0.2	12.9	11.2	14.4
Russian Federation	642	30.0	0.0	8.4	13.4	10.5	37.3	0.4	30.0	26.7	33.4
Saudi Arabia	609	7.6	1.0	4.3	0.2	43.0	42.6	1.2	8.6	12.9	4.6
Scotland	574	23.8	0.0	4.7	8.1	23.5	39.7	0.3	23.8	21.7	25.9
Serbia	579	9.9	1.0	8.7	6.9	8.8	64.6	0.0	10.9	11.1	10.8
Singapore	654	29.9	0.4	5.1	8.9	32.7	23.0	0.0	30.3	30.8	29.9
Slovenia	578	18.3	0.0	7.5	5.9	25.1	43.2	0.0	18.3	18.3	18.4
Sweden	743	13.9	0.4	7.4	7.0	22.4	48.7	0.3	14.3	14.3	14.3
Syrian Arab Republic	661	9.8	0.9	2.9	1.9	39.8	44.4	0.3	10.7	10.5	10.9
Thailand	773	17.3	0.3	7.2	5.2	30.0	40.1	0.0	17.6	19.3	16.0
Tunisia	581	9.8	1.3	24.1	4.1	24.6	36.1	0.0	11.1	9.6	12.8
Turkey	629	13.0	1.1	10.6	6.6	31.9	36.7	0.0	14.1	9.7	17.3
Ukraine	637	7.4	1.3	15.1	0.9	22.8	52.5	0.0	8.7	7.1	10.3
United States	1073	36.4	0.0	12.4	17.7	19.8	13.3	0.5	36.4	34.1	38.9
International Avg.	639	15.3	1.0	6.9	4.5	27.3	44.6	0.4	16.3	16.4	16.2
Basque Country, Spain	332	19.7	1.3	4.6	1.3	15.0	58.1	0.0	21.0	21.2	20.8
British Columbia, Canada	607	31.0	0.7	7.5	10.4	23.8	26.2	0.4	31.8	30.0	33.9
Dubai, UAE	464	25.6	0.5	9.9	5.7	23.0	34.9	0.3	26.1	26.6	25.6
Massachusetts, US	277	44.0	0.0	11.6	12.8	16.4	14.8	0.3	44.0	44.0	44.1
Minnesota, US	251	47.3	0.0	11.8	18.2	14.3	8.4	0.0	47.3	48.2	46.4
Ontario, Canada	487	36.0	0.4	6.4	13.5	20.7	23.0	0.0	36.4	36.0	36.9
Quebec, Canada	558	13.7	0.1	5.0	2.0	32.0	46.7	0.5	13.8	12.4	15.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S032019B - S01_05B)
 Label: Chemical causes of weathering
 Type: CR Key: -

COUNTRY	N	10	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	749	0.3	0.9	0.3	0.6	39.7	56.4	1.7	1.2	1.2	1.1
Armenia	620	15.0	7.3	6.4	0.6	29.0	41.2	0.5	22.3	20.7	23.7
Australia	582	15.3	0.0	13.1	11.3	22.7	36.6	0.9	15.3	12.5	17.8
Bahrain	606	5.6	1.8	4.3	4.3	36.7	46.5	0.9	7.4	8.4	6.4
Bosnia and Herzegovina	602	2.4	0.6	5.7	4.6	18.7	67.3	0.7	3.0	2.8	3.1
Botswana	601	4.8	0.8	7.9	14.2	56.7	15.1	0.5	5.5	8.2	2.8
Bulgaria	439	7.6	0.5	6.3	7.8	14.8	61.6	1.5	8.1	9.8	6.4
Chinese Taipei	574	12.4	0.3	12.4	7.8	19.0	48.1	0.0	12.7	11.5	13.9
Colombia	689	0.8	0.0	2.5	1.5	36.8	56.4	1.9	0.8	0.4	1.3
Cyprus	625	5.5	0.2	1.0	0.0	24.7	68.6	0.0	5.7	4.6	6.7
Czech Republic	694	6.9	0.0	8.8	11.9	17.4	55.0	0.0	6.9	9.2	4.9
Egypt	935	5.1	0.0	4.9	5.8	40.1	43.6	0.5	5.1	6.6	3.7
El Salvador	572	0.3	0.0	0.4	0.4	24.5	70.7	3.6	0.3	0.7	0.0
England	589	38.1	0.0	16.8	7.4	16.3	21.0	0.3	38.1	41.7	34.2
Georgia	601	0.8	1.9	3.7	1.9	24.9	64.8	1.9	2.8	2.5	3.0
Ghana	755	1.5	0.1	2.3	2.2	33.2	58.2	2.4	1.6	0.0	2.9
Hong Kong SAR	501	16.4	1.2	6.1	4.0	21.6	50.5	0.3	17.7	19.1	16.2
Hungary	582	13.4	0.3	10.3	6.5	17.4	51.5	0.6	13.7	15.5	11.9
Indonesia	606	7.0	0.3	2.8	5.5	54.5	29.4	0.5	7.3	5.3	9.3
Iran, Islamic Rep. of	572	6.0	1.1	8.1	8.9	28.3	47.2	0.3	7.2	9.7	5.1
Israel	460	5.1	0.0	6.3	8.1	24.6	55.3	0.6	5.1	4.8	5.3
Italy	631	8.0	1.0	4.9	8.2	12.5	64.5	0.8	9.0	8.9	9.2
Japan	609	10.0	0.0	3.0	6.9	30.1	49.5	0.4	10.0	8.7	11.5
Jordan	743	11.4	0.5	4.2	4.8	41.3	37.2	0.5	11.9	18.1	6.4
Korea, Rep. of	612	12.6	0.0	4.7	13.1	42.5	27.0	0.2	12.6	12.7	12.6
Kuwait	579	1.4	2.8	1.0	0.2	33.1	60.2	1.3	4.3	4.8	3.7
Lebanon	533	2.9	1.8	4.2	0.2	23.2	64.7	2.9	4.7	4.0	5.5
Lithuania	572	8.2	0.1	7.5	6.8	18.2	59.0	0.0	8.4	7.6	9.1
Malaysia	643	0.9	0.3	4.5	1.9	38.7	53.3	0.4	1.2	1.1	1.3
Malta	672	15.4	0.1	7.4	6.3	23.9	46.6	0.3	15.5	12.8	18.2
Morocco	440	2.6	1.5	1.9	0.4	19.4	70.6	3.5	4.1	4.3	4.0
Norway	655	4.9	0.0	5.3	8.1	30.6	50.5	0.6	4.9	5.8	4.0
Oman	661	4.5	0.0	5.4	2.6	58.5	28.2	0.8	4.5	6.3	2.5
Palestinian Nat'l Auth.	629	3.4	1.4	9.1	2.8	45.3	37.9	0.1	4.9	5.7	4.0
Qatar	1037	0.2	0.0	1.6	0.5	44.2	52.8	0.6	0.2	0.2	0.2
Romania	604	4.1	0.0	5.2	9.1	18.0	63.5	0.2	4.1	3.7	4.4
Russian Federation	642	6.2	0.0	12.7	16.5	17.6	46.5	0.6	6.2	5.8	6.7
Saudi Arabia	609	1.3	0.4	1.2	0.7	50.1	45.0	1.4	1.7	2.0	1.4
Scotland	574	13.8	0.0	9.2	12.8	17.4	46.3	0.5	13.8	13.2	14.5
Serbia	579	4.7	0.5	2.8	6.6	12.4	73.0	0.0	5.2	5.7	4.7
Singapore	654	28.2	0.1	10.5	5.5	30.4	25.2	0.0	28.3	30.6	26.4
Slovenia	578	14.3	0.0	5.6	7.1	31.8	41.3	0.0	14.3	10.6	17.3
Sweden	743	8.5	0.0	5.4	8.1	24.5	53.3	0.3	8.5	9.1	7.9
Syrian Arab Republic	661	4.0	0.9	1.7	0.4	44.7	47.6	0.6	4.9	4.4	5.6
Thailand	773	11.6	0.7	7.7	5.9	32.2	41.4	0.4	12.3	12.2	12.3
Tunisia	581	2.7	0.2	10.8	8.2	37.1	40.9	0.1	2.9	1.6	4.3
Turkey	628	3.1	0.3	2.0	13.2	33.8	47.2	0.3	3.4	2.8	3.8
Ukraine	637	1.2	0.3	8.6	8.3	19.1	62.4	0.1	1.5	1.2	1.9
United States	1073	20.7	0.0	15.0	22.6	22.5	18.6	0.5	20.7	19.7	21.7
International Avg.	639	7.8	0.6	6.0	6.2	29.7	49.0	0.8	8.4	8.5	8.3
Basque Country, Spain	332	3.8	1.2	3.5	4.9	17.9	68.8	0.0	5.0	7.5	2.7
British Columbia, Canada	607	17.4	0.0	12.2	10.1	26.7	32.8	0.8	17.4	16.5	18.5
Dubai, UAE	464	16.0	0.5	8.0	6.8	26.8	41.2	0.6	16.6	15.5	17.6
Massachusetts, US	277	25.0	0.0	16.4	18.8	17.8	21.6	0.3	25.0	24.8	25.3
Minnesota, US	251	21.8	0.0	22.5	19.2	22.1	14.3	0.0	21.8	21.8	21.9
Ontario, Canada	487	19.2	0.0	16.3	8.0	24.1	32.5	0.0	19.2	18.5	20.0
Quebec, Canada	558	7.2	0.3	4.7	3.7	32.5	50.9	0.7	7.5	7.0	7.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S032516 - S01_06)
 Label: Effect of cutting down the trees
 Type: CR Key: -

COUNTRY	N	10	11	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	748	37.7	0.8	13.2	1.5	1.5	28.7	14.6	1.9	51.8	49.8	53.6
Armenia	619	46.8	4.0	3.8	3.3	0.4	23.7	17.6	0.5	54.6	57.2	52.2
Australia	582	69.5	0.0	0.0	6.3	0.4	15.7	7.1	0.9	69.5	74.1	65.3
Bahrain	606	48.3	1.2	7.5	7.5	2.9	14.4	17.5	0.9	56.9	64.4	49.7
Bosnia and Herzegovina	602	49.8	0.5	1.9	2.3	3.2	9.8	31.7	0.7	52.3	54.1	50.4
Botswana	601	38.5	0.5	1.7	3.9	5.2	40.2	9.3	0.7	40.7	43.7	37.4
Bulgaria	439	39.4	2.8	2.0	2.2	2.3	12.0	37.8	1.5	44.3	47.2	41.6
Chinese Taipei	574	57.5	0.6	24.9	4.2	1.9	5.3	5.6	0.0	83.0	85.2	80.8
Colombia	689	50.5	0.5	3.5	1.1	3.9	27.1	11.3	2.0	54.6	50.6	58.6
Cyprus	625	63.3	0.2	3.0	3.9	1.0	5.6	23.1	0.0	66.4	74.9	58.5
Czech Republic	694	68.8	0.5	0.0	1.8	2.5	15.2	11.2	0.0	69.2	72.3	66.5
Egypt	934	33.1	2.0	1.1	1.4	3.7	37.8	20.6	0.5	36.1	38.3	34.1
El Salvador	572	50.9	0.3	1.9	5.5	0.3	24.9	12.7	3.6	53.1	52.6	53.5
England	589	71.4	0.0	0.0	4.5	1.4	16.0	6.4	0.3	71.4	72.3	70.4
Georgia	601	32.9	0.9	18.7	2.7	0.8	17.4	24.7	1.9	52.4	61.3	44.9
Ghana	755	26.4	0.0	2.7	6.8	4.0	29.7	27.9	2.5	29.1	26.7	31.0
Hong Kong SAR	501	69.4	0.2	1.0	1.6	0.4	19.4	7.5	0.5	70.6	74.5	66.7
Hungary	582	66.9	1.9	0.0	1.6	6.4	9.7	12.8	0.6	68.9	73.2	64.7
Indonesia	606	69.9	1.9	1.2	1.9	2.4	11.8	10.3	0.6	73.0	74.1	72.0
Iran, Islamic Rep. of	572	52.1	0.5	9.7	5.6	1.4	21.9	8.3	0.5	62.3	65.2	59.8
Israel	460	37.3	1.7	1.6	4.7	3.6	20.2	30.3	0.6	40.6	42.7	38.3
Italy	631	47.8	0.3	9.3	12.5	0.9	8.7	19.7	0.8	57.4	55.1	59.5
Japan	609	63.9	0.0	3.2	10.3	0.6	14.3	7.3	0.4	67.1	67.0	67.2
Jordan	743	59.1	1.1	6.0	1.7	1.5	19.2	10.9	0.5	66.2	73.0	60.1
Korea, Rep. of	612	84.9	0.0	0.0	2.2	0.5	10.8	1.4	0.2	84.9	86.1	83.9
Kuwait	579	19.5	1.1	20.6	2.8	1.6	26.3	26.8	1.3	41.2	49.8	31.5
Lebanon	533	35.7	0.1	9.7	1.3	1.3	17.4	31.4	2.9	45.6	44.8	46.5
Lithuania	572	47.3	0.4	0.2	7.4	1.0	30.7	13.0	0.0	47.8	52.1	43.5
Malaysia	643	53.1	0.5	7.8	5.3	1.6	21.1	10.2	0.4	61.3	65.4	56.9
Malta	671	31.5	0.9	0.4	8.9	3.3	33.4	21.2	0.3	32.8	32.0	33.7
Morocco	.	.	.	.	.	.	.	.	.	.	.	.
Norway	655	51.0	0.9	0.0	4.8	3.8	20.7	18.1	0.6	52.0	50.9	53.0
Oman	661	36.6	1.6	3.6	3.2	10.4	32.1	11.8	0.8	41.9	51.2	31.7
Palestinian Nat'l Auth.	629	41.0	0.9	6.6	3.0	4.0	29.1	15.3	0.1	48.5	54.0	42.7
Qatar	1037	16.0	0.3	3.4	2.4	2.5	37.8	37.0	0.6	19.8	25.2	14.3
Romania	604	54.3	0.0	0.2	1.1	1.8	21.7	20.7	0.2	54.6	56.1	53.2
Russian Federation	642	78.1	0.2	0.1	3.0	0.2	6.8	11.1	0.6	78.4	82.8	73.8
Saudi Arabia	609	41.0	0.8	7.6	3.1	3.3	23.0	19.9	1.4	49.4	59.7	39.4
Scotland	574	63.0	0.9	0.0	4.7	4.8	14.2	11.8	0.5	64.0	60.9	67.1
Serbia	579	43.2	2.1	3.5	1.6	4.4	9.4	35.7	0.0	48.8	46.4	51.1
Singapore	654	68.7	0.3	0.2	3.9	7.4	14.0	5.6	0.0	69.2	70.5	68.0
Slovenia	578	72.7	0.8	0.0	5.4	0.7	11.7	8.7	0.0	73.5	75.1	72.0
Sweden	743	51.3	1.2	0.2	8.8	4.2	16.6	17.4	0.3	52.7	52.9	52.6
Syrian Arab Republic	661	50.6	0.5	9.9	0.0	0.2	22.6	15.6	0.6	60.9	60.9	60.9
Thailand	773	73.4	0.3	0.9	2.6	1.7	6.2	14.6	0.4	74.5	81.9	67.6
Tunisia	581	63.0	2.8	3.6	2.0	2.2	20.3	6.0	0.1	69.4	65.2	73.9
Turkey	629	67.5	0.5	2.4	4.7	2.2	15.7	6.6	0.3	70.4	70.2	70.6
Ukraine	637	30.3	1.2	24.6	4.1	3.0	14.9	21.9	0.1	56.0	58.9	53.2
United States	1073	71.7	0.9	0.2	5.8	6.0	7.3	7.6	0.5	72.8	75.0	70.4
International Avg.	643	52.0	0.9	4.7	4.0	2.6	19.0	16.2	0.7	57.5	60.0	55.2
Basque Country, Spain	332	75.0	0.3	1.1	6.9	2.9	4.2	9.6	0.0	76.4	79.5	73.6
British Columbia, Canada	607	70.3	1.9	0.4	4.5	2.3	9.4	10.4	0.8	72.6	76.8	67.4
Dubai, UAE	464	53.6	2.0	2.8	3.4	3.6	18.2	15.9	0.6	58.3	59.8	56.9
Massachusetts, US	277	78.0	0.7	0.4	5.2	5.6	6.1	3.7	0.3	79.1	79.4	78.7
Minnesota, US	251	80.3	0.7	0.0	6.1	5.6	4.8	2.5	0.0	81.0	85.9	75.9
Ontario, Canada	487	76.5	0.9	0.3	6.3	3.3	6.5	6.2	0.0	77.7	81.5	73.1
Quebec, Canada	558	60.9	0.5	1.3	9.7	1.3	15.1	10.4	0.7	62.8	66.0	59.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S032620 - S01_07)
 Label: Human population graphs
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	764	16.8	16.8	35.5	27.3	11.8	6.4	2.2	14.4	19.1
Armenia	618	45.8	45.8	13.5	16.4	11.9	11.8	0.5	39.8	51.4
Australia	582	35.0	35.0	29.8	26.3	6.9	0.9	0.9	30.4	39.3
Bahrain	606	20.6	20.6	34.1	30.3	11.8	2.4	0.9	17.8	23.2
Bosnia and Herzegovina	602	41.1	41.1	14.3	21.7	18.7	3.4	0.7	40.4	41.9
Botswana	601	20.5	20.5	37.3	22.7	17.4	1.1	0.9	20.7	20.4
Bulgaria	439	37.1	37.1	17.4	21.0	19.0	3.9	1.7	32.1	41.7
Chinese Taipei	574	45.2	45.2	10.9	32.7	11.2	0.0	0.0	41.5	48.8
Colombia	689	24.4	24.4	30.2	29.5	11.2	2.6	2.0	21.7	27.2
Cyprus	625	26.7	26.7	24.9	26.3	21.0	1.1	0.0	20.5	32.5
Czech Republic	694	41.8	41.8	13.9	28.7	13.9	1.7	0.0	41.6	42.0
Egypt	927	17.4	17.4	41.9	24.8	13.1	2.4	0.4	18.0	16.8
El Salvador	572	19.8	19.8	36.7	27.0	9.9	3.0	3.6	19.2	20.3
England	589	46.5	46.5	23.8	21.8	5.7	1.9	0.3	40.7	52.7
Georgia	601	24.9	24.9	29.3	16.0	18.3	9.5	1.9	25.5	24.5
Ghana	755	20.7	20.7	28.6	23.2	20.2	4.5	2.8	18.2	22.6
Hong Kong SAR	501	35.4	35.4	23.3	32.7	7.9	0.2	0.5	31.5	39.1
Hungary	582	36.8	36.8	18.3	27.7	15.4	1.1	0.6	32.0	41.6
Indonesia	606	29.9	29.9	25.5	26.0	14.6	3.4	0.6	32.6	27.3
Iran, Islamic Rep. of	572	33.7	33.7	22.8	24.9	16.4	1.8	0.5	33.7	33.7
Israel	460	29.4	29.4	36.0	21.8	8.6	3.6	0.6	24.9	34.3
Italy	630	46.7	46.7	12.5	26.3	12.2	1.4	1.0	51.1	42.6
Japan	609	39.7	39.7	11.4	35.1	12.7	0.7	0.4	33.9	46.0
Jordan	743	21.6	21.6	52.4	18.4	5.9	1.2	0.5	17.8	25.1
Korea, Rep. of	612	28.9	28.9	18.8	37.6	14.3	0.2	0.2	26.1	31.3
Kuwait	580	19.2	19.2	39.3	25.4	11.7	3.1	1.3	14.6	24.5
Lebanon	530	22.5	22.5	27.6	29.3	13.3	4.3	3.0	24.6	20.0
Lithuania	572	49.4	49.4	14.2	21.9	13.8	0.6	0.0	47.7	51.2
Malaysia	643	26.1	26.1	35.1	31.0	6.6	0.8	0.4	27.1	25.1
Malta	671	34.3	34.3	20.4	34.2	9.5	1.4	0.3	29.8	38.7
Morocco	429	17.3	17.3	35.5	24.8	12.8	6.1	3.6	15.3	19.3
Norway	655	35.5	35.5	23.9	26.7	11.7	1.5	0.6	33.6	37.5
Oman	661	20.4	20.4	43.1	21.5	13.1	1.2	0.8	19.3	21.5
Palestinian Nat'l Auth.	629	17.0	17.0	47.8	20.0	12.9	2.1	0.1	15.4	18.7
Qatar	1037	18.0	18.0	35.2	27.3	17.3	1.7	0.6	17.3	18.6
Romania	603	26.0	26.0	25.3	22.5	23.9	2.0	0.2	23.8	28.1
Russian Federation	642	44.7	44.7	14.7	22.7	15.1	2.3	0.6	42.8	46.7
Saudi Arabia	608	11.9	11.9	42.3	28.8	13.5	2.0	1.4	8.5	15.2
Scotland	574	33.1	33.1	25.8	32.0	8.1	0.5	0.5	33.7	32.4
Serbia	574	33.0	33.0	19.0	25.9	18.0	4.1	0.0	32.0	33.9
Singapore	654	42.7	42.7	27.6	23.4	6.0	0.2	0.0	39.2	45.9
Slovenia	578	40.2	40.2	15.0	22.0	21.5	1.3	0.0	31.3	47.9
Sweden	743	35.7	35.7	26.1	28.0	8.6	1.3	0.3	32.9	38.4
Syrian Arab Republic	661	20.0	20.0	38.3	25.1	12.7	3.2	0.8	22.1	17.6
Thailand	773	27.5	27.5	27.0	30.6	12.9	1.5	0.4	27.8	27.2
Tunisia	581	21.9	21.9	25.0	36.5	13.0	3.5	0.1	17.2	27.1
Turkey	629	26.0	26.0	32.4	25.2	14.1	2.1	0.3	24.0	27.3
Ukraine	637	35.0	35.0	14.3	27.1	21.6	1.9	0.1	36.5	33.4
United States	1073	39.5	39.5	37.4	17.5	4.4	0.6	0.6	34.8	44.6
International Avg.	639	30.3	30.3	27.3	26.0	13.2	2.4	0.8	28.1	32.4
Basque Country, Spain	332	33.6	33.6	21.9	28.1	15.3	1.1	0.0	26.2	40.2
British Columbia, Canada	607	37.4	37.4	28.9	26.9	4.1	1.8	0.8	34.6	40.9
Dubai, UAE	464	30.4	30.4	33.4	24.1	8.6	2.5	0.9	26.8	34.1
Massachusetts, US	277	49.1	49.1	30.6	16.3	2.4	1.3	0.3	43.9	55.1
Minnesota, US	251	46.5	46.5	27.8	21.1	4.1	0.5	0.0	44.0	49.0
Ontario, Canada	487	43.0	43.0	28.8	22.1	5.0	1.1	0.0	36.8	50.4
Quebec, Canada	558	38.6	38.6	30.7	25.5	3.3	1.2	0.7	34.7	42.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S032693A - S01_08A)
 Label: Complete the food web
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	701	23.9	1.0	61.3	10.2	3.5	23.9	22.8	24.9
Armenia	622	27.8	2.6	41.8	27.1	0.8	27.8	30.1	25.6
Australia	582	67.4	7.0	21.7	2.7	1.1	67.4	63.5	71.0
Bahrain	606	29.0	13.9	50.6	5.5	1.0	29.0	38.5	20.0
Bosnia and Herzegovina	602	38.1	12.4	38.3	10.6	0.7	38.1	35.8	40.5
Botswana	602	28.7	10.5	50.8	8.5	1.4	28.7	32.1	25.1
Bulgaria	439	40.2	3.2	31.2	23.8	1.7	40.2	45.6	35.3
Chinese Taipei	574	69.4	3.4	24.0	3.3	0.0	69.4	66.3	72.5
Colombia	689	38.3	8.6	42.5	7.8	2.8	38.3	37.7	38.8
Cyprus	625	40.9	8.0	40.7	10.5	0.0	40.9	43.4	38.5
Czech Republic	694	61.3	11.8	23.3	3.5	0.2	61.3	61.0	61.6
Egypt	935	14.9	11.6	66.1	6.9	0.5	14.9	16.1	13.8
El Salvador	572	16.7	11.1	59.3	8.5	4.4	16.7	15.5	18.0
England	589	70.3	2.7	25.7	1.1	0.3	70.3	69.2	71.4
Georgia	601	21.5	5.8	39.1	29.5	4.2	21.5	25.7	17.9
Ghana	755	12.4	9.6	55.8	19.1	3.1	12.4	12.1	12.6
Hong Kong SAR	501	62.6	4.9	27.6	4.3	0.5	62.6	63.3	62.0
Hungary	582	61.8	6.7	26.3	4.2	1.0	61.8	62.5	61.1
Indonesia	606	33.1	11.2	47.3	7.4	0.9	33.1	32.9	33.3
Iran, Islamic Rep. of	571	30.8	9.1	52.9	6.7	0.5	30.8	31.0	30.6
Israel	460	45.4	8.5	32.5	12.6	1.0	45.4	49.2	41.3
Italy	631	55.0	1.6	35.8	6.6	1.0	55.0	56.3	53.9
Japan	610	72.1	5.8	19.0	2.5	0.6	72.1	70.3	74.0
Jordan	743	30.3	6.9	59.2	3.0	0.5	30.3	34.9	26.2
Korea, Rep. of	612	76.2	4.7	18.1	0.8	0.2	76.2	74.2	78.0
Kuwait	579	18.7	14.8	49.2	15.7	1.6	18.7	23.4	13.3
Lebanon	532	33.3	5.6	48.1	10.1	3.0	33.3	31.1	35.9
Lithuania	572	49.7	13.0	31.3	5.9	0.1	49.7	49.3	50.2
Malaysia	643	69.4	3.4	24.6	1.9	0.6	69.4	70.0	68.7
Malta	670	51.8	8.1	35.0	4.8	0.3	51.8	49.2	54.3
Morocco	440	27.0	8.3	49.8	11.4	3.5	27.0	31.2	22.5
Norway	655	48.9	7.1	39.1	4.3	0.6	48.9	47.5	50.4
Oman	661	21.4	15.0	60.0	2.7	0.9	21.4	21.1	21.7
Palestinian Nat'l Auth.	628	20.2	11.0	65.5	3.3	0.1	20.2	21.8	18.4
Qatar	1037	12.4	7.4	63.4	16.2	0.6	12.4	13.5	11.3
Romania	604	37.9	5.2	47.9	8.8	0.2	37.9	39.4	36.6
Russian Federation	642	55.0	12.8	27.4	4.3	0.6	55.0	52.9	57.2
Saudi Arabia	609	15.2	9.6	63.1	10.6	1.5	15.2	17.4	13.0
Scotland	574	57.3	10.2	29.2	2.9	0.5	57.3	52.9	61.8
Serbia	579	42.3	9.2	35.5	13.0	0.0	42.3	40.8	43.7
Singapore	654	83.8	2.3	12.5	1.4	0.0	83.8	82.9	84.5
Slovenia	578	59.3	11.0	27.7	2.0	0.0	59.3	60.1	58.7
Sweden	743	60.7	7.8	23.7	7.6	0.3	60.7	57.4	63.9
Syrian Arab Republic	661	29.7	15.6	47.6	6.3	0.8	29.7	26.8	32.9
Thailand	773	39.8	10.7	43.2	5.8	0.5	39.8	44.0	36.0
Tunisia	581	28.8	14.7	52.0	4.2	0.4	28.8	24.7	33.2
Turkey	629	17.6	6.0	61.2	14.8	0.4	17.6	17.8	17.5
Ukraine	637	26.5	16.4	45.2	11.4	0.5	26.5	25.0	28.1
United States	1073	57.1	6.6	33.2	2.5	0.7	57.1	53.5	61.0
International Avg.	638	41.5	8.4	40.9	8.1	1.0	41.5	41.7	41.3
Basque Country, Spain	332	54.8	11.1	28.6	5.5	0.0	54.8	55.5	54.2
British Columbia, Canada	607	64.9	5.8	24.1	4.4	0.8	64.9	61.4	69.3
Dubai, UAE	464	55.2	6.5	32.2	5.1	1.0	55.2	56.1	54.2
Massachusetts, US	277	68.4	3.5	25.0	2.9	0.3	68.4	62.9	74.6
Minnesota, US	251	69.7	7.4	22.2	0.8	0.0	69.7	73.5	65.7
Ontario, Canada	487	64.8	7.9	24.8	2.5	0.0	64.8	64.6	65.0
Quebec, Canada	558	67.0	8.1	21.1	2.7	1.1	67.0	70.7	63.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S032693B - S01_08B)
 Label: Sharks when tuna becomes scarce
 Type: CR Key: -

COUNTRY	N	10	11	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	738	27.6	0.1	8.6	2.8	2.0	26.4	25.3	7.1	36.3	39.5	33.2
Armenia	621	29.2	6.1	6.4	0.5	0.2	24.1	31.0	2.5	41.7	40.3	43.0
Australia	582	51.3	18.4	3.3	0.8	2.6	13.5	7.8	2.2	73.0	72.4	73.6
Bahrain	606	35.6	13.7	7.2	1.9	12.0	15.0	12.8	1.8	56.5	72.4	41.5
Bosnia and Herzegovina	602	21.3	5.4	2.8	3.7	16.1	14.9	32.7	3.1	29.5	29.6	29.5
Botswana	602	17.1	1.9	1.2	7.2	1.1	46.6	18.8	6.1	20.3	24.5	15.8
Bulgaria	439	27.1	3.5	1.2	2.1	2.4	10.2	43.2	10.4	31.7	34.1	29.5
Chinese Taipei	574	53.8	21.4	3.3	0.4	3.4	11.5	5.7	0.5	78.5	78.3	78.8
Colombia	689	9.2	9.4	6.5	1.5	8.5	41.9	16.7	6.3	25.0	20.1	30.0
Cyprus	625	10.2	38.4	0.1	4.8	3.6	13.9	25.8	3.3	48.6	49.8	47.6
Czech Republic	694	39.9	24.2	6.4	0.8	12.3	6.6	8.8	1.1	70.5	73.5	67.8
Egypt	935	25.1	5.0	0.1	7.4	6.7	35.9	17.3	2.5	30.2	30.2	30.2
El Salvador	572	13.6	8.1	1.3	0.7	13.6	28.4	25.8	8.6	22.9	24.2	21.7
England	589	52.0	23.2	9.1	1.3	1.0	8.1	4.9	0.4	84.3	86.4	82.0
Georgia	601	13.8	6.9	5.5	1.1	5.8	14.0	39.3	13.5	26.2	31.7	21.5
Ghana	755	11.4	1.0	0.0	1.6	0.2	18.5	58.2	9.1	12.4	10.2	14.2
Hong Kong SAR	501	65.9	5.3	1.3	3.8	7.3	7.8	7.2	1.4	72.5	74.6	70.5
Hungary	582	35.7	22.0	4.8	0.3	23.3	5.0	6.5	2.2	62.6	67.5	57.7
Indonesia	606	26.6	7.5	1.0	5.4	8.2	30.2	17.3	3.7	35.1	37.6	32.7
Iran, Islamic Rep. of	571	39.6	4.7	3.0	1.4	2.2	26.4	21.0	1.7	47.3	49.3	45.7
Israel	460	38.4	11.0	2.0	1.4	10.5	14.3	16.8	5.6	51.4	56.3	46.2
Italy	631	37.4	5.2	9.7	0.4	2.1	17.0	25.1	3.1	52.3	52.3	52.3
Japan	610	77.0	4.7	0.6	5.0	0.4	7.7	3.2	1.5	82.2	83.4	80.8
Jordan	742	37.4	11.8	2.5	7.5	8.9	22.8	7.9	1.0	51.7	59.7	44.6
Korea, Rep. of	612	62.6	7.1	3.8	1.1	0.1	20.8	4.1	0.3	73.6	69.8	76.9
Kuwait	571	21.4	3.8	5.2	3.2	8.3	26.1	25.9	6.1	30.4	34.0	26.4
Lebanon	533	19.0	7.2	2.5	1.9	5.7	20.8	37.9	5.0	28.7	25.1	33.1
Lithuania	572	59.7	9.0	0.6	1.1	5.3	10.4	12.8	1.1	69.3	70.8	67.8
Malaysia	643	42.0	18.5	3.6	4.8	6.2	14.6	8.6	1.9	64.0	68.9	58.7
Malta	672	42.1	12.5	1.9	3.3	3.6	17.7	17.4	1.5	56.5	55.3	57.8
Morocco	440	11.3	1.1	0.6	1.4	21.9	19.2	38.5	6.0	13.0	13.4	12.6
Norway	655	32.6	6.0	1.2	5.3	7.7	29.8	15.8	1.6	39.8	36.9	42.7
Oman	661	42.9	7.4	0.6	4.8	3.0	28.5	11.7	1.2	50.8	61.8	38.8
Palestinian Nat'l Auth.	629	22.0	6.3	4.3	4.5	5.6	40.5	16.1	0.7	32.6	38.7	26.1
Qatar	1037	10.0	2.8	0.4	1.7	10.2	31.5	38.2	5.2	13.2	17.4	9.0
Romania	604	41.0	3.5	0.4	1.1	12.7	13.3	26.7	1.4	44.9	49.9	40.3
Russian Federation	642	61.6	11.9	3.5	0.9	2.3	4.8	12.8	2.2	77.0	79.6	74.2
Saudi Arabia	609	16.4	4.7	1.2	2.3	23.7	28.5	18.5	4.8	22.3	29.9	14.9
Scotland	574	55.6	15.1	1.8	3.4	3.3	10.7	8.4	1.7	72.4	70.9	74.0
Serbia	579	27.9	6.0	3.3	1.9	12.3	11.9	34.1	2.6	37.2	35.9	38.5
Singapore	654	45.8	33.5	1.6	2.7	2.2	9.7	3.9	0.5	80.8	84.2	77.9
Slovenia	578	60.0	14.9	1.7	1.6	6.6	12.6	2.5	0.1	76.6	83.0	71.0
Sweden	743	37.1	20.4	5.0	2.4	8.1	11.4	13.9	1.7	62.5	64.9	60.2
Syrian Arab Republic	661	32.8	4.2	0.9	1.7	8.9	21.6	27.6	2.3	37.9	36.9	39.0
Thailand	773	25.1	6.7	6.2	1.2	2.1	32.2	24.3	2.2	38.0	38.8	37.3
Tunisia	579	22.9	6.4	1.8	3.2	38.0	17.7	8.1	1.8	31.1	29.9	32.5
Turkey	629	37.2	15.1	1.0	7.8	3.8	13.7	18.6	2.7	53.3	56.5	51.1
Ukraine	637	46.7	10.2	5.1	0.7	3.6	7.9	22.6	3.2	62.0	68.3	55.7
United States	1073	56.6	19.3	3.9	1.5	2.9	10.0	4.4	1.5	79.7	79.7	79.8
International Avg.	639	35.3	10.4	3.1	2.6	7.4	18.9	19.0	3.2	48.8	51.0	46.7
Basque Country, Spain	332	46.5	16.7	7.7	0.4	1.9	15.6	10.1	1.2	70.8	70.5	71.0
British Columbia, Canada	607	51.9	21.3	2.4	2.5	4.9	8.4	6.8	1.8	75.6	75.7	75.4
Dubai, UAE	464	40.4	14.1	1.2	2.0	4.0	16.5	19.4	2.3	55.7	54.1	57.3
Massachusetts, US	277	56.7	28.4	1.9	0.7	3.2	3.6	3.7	1.7	87.0	84.5	90.0
Minnesota, US	251	59.7	19.8	4.4	1.5	2.3	9.4	2.8	0.0	84.0	85.7	82.2
Ontario, Canada	487	53.7	25.9	1.3	2.6	5.4	6.8	4.0	0.2	80.9	82.1	79.4
Quebec, Canada	558	38.7	23.7	1.7	1.3	16.2	11.2	5.3	1.8	64.2	70.7	58.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S032695 - S01_09)
 Label: How organism survives low tide
 Type: CR Key: -

COUNTRY	N	20	29	10	19	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	750	4.2	1.1	10.2	8.1	10.1	37.2	18.2	10.9	23.6	5.4	5.5	5.2
Armenia	622	7.8	4.3	14.6	2.2	2.1	19.1	47.1	2.8	28.9	12.1	11.5	12.6
Australia	582	43.6	0.0	23.9	0.6	12.7	5.8	9.3	4.1	68.1	43.6	45.5	41.9
Bahrain	606	16.3	3.9	6.1	5.0	37.8	16.7	10.4	3.8	31.4	20.2	25.5	15.2
Bosnia and Herzegovina	601	16.5	0.4	14.6	1.4	19.0	15.7	25.3	7.2	32.8	16.8	16.4	17.3
Botswana	599	2.2	0.2	2.1	0.0	34.8	40.0	12.2	8.5	4.5	2.4	2.4	2.4
Bulgaria	439	9.4	0.0	11.2	1.3	20.0	5.2	34.3	18.5	21.9	9.4	10.0	8.7
Chinese Taipei	574	36.7	0.3	15.2	0.0	26.2	6.5	13.5	1.6	52.3	37.0	38.8	35.3
Colombia	689	13.0	0.0	15.2	0.0	40.7	9.0	11.4	10.7	28.2	13.0	12.3	13.7
Cyprus	625	10.0	1.7	13.6	0.8	32.8	8.9	23.5	8.7	26.1	11.8	12.4	11.2
Czech Republic	694	41.6	0.0	21.9	0.0	16.9	5.8	10.8	3.0	63.5	41.6	44.0	39.4
Egypt	934	1.0	0.0	2.2	0.0	55.6	23.8	12.8	4.7	3.1	1.0	1.3	0.6
El Salvador	572	6.1	0.0	9.1	0.0	39.0	12.6	20.3	12.9	15.2	6.1	6.1	6.1
England	589	38.7	0.0	24.4	0.0	24.1	3.3	8.7	0.8	63.1	38.7	37.8	39.6
Georgia	601	1.9	0.5	4.8	0.9	10.3	10.7	50.3	20.6	8.1	2.4	2.0	2.8
Ghana	755	0.8	0.0	4.1	0.0	30.7	31.2	18.1	15.1	4.9	0.8	0.6	1.1
Hong Kong SAR	501	31.3	0.2	27.9	0.0	20.3	9.2	8.3	2.9	59.4	31.4	35.7	27.3
Hungary	582	34.7	0.0	29.8	0.0	21.2	2.4	9.6	2.3	64.5	34.7	39.8	29.7
Indonesia	606	12.1	0.6	20.5	1.1	20.2	29.8	10.4	5.3	34.2	12.7	11.9	13.4
Iran, Islamic Rep. of	572	13.7	0.0	21.0	1.3	35.5	7.4	16.9	4.2	36.0	13.7	18.4	9.8
Israel	460	17.2	0.7	25.7	0.9	23.0	8.9	16.0	7.7	44.4	17.9	24.1	11.1
Italy	631	19.1	0.1	37.2	1.8	11.7	5.6	18.5	6.0	58.2	19.2	23.4	15.2
Japan	610	44.8	0.9	22.8	2.1	13.4	2.7	11.1	2.3	70.6	45.7	47.8	43.4
Jordan	742	19.0	0.4	7.9	1.1	40.3	22.4	7.4	1.4	28.5	19.5	22.9	16.3
Korea, Rep. of	612	35.5	0.0	34.4	0.0	18.6	5.3	5.5	0.8	69.8	35.5	35.8	35.2
Kuwait	578	9.5	4.0	6.9	4.2	29.4	21.0	16.7	8.3	24.5	13.5	16.5	10.1
Lebanon	533	3.6	0.8	5.8	0.9	22.1	24.2	29.1	13.5	11.1	4.4	4.9	3.8
Lithuania	572	32.1	0.1	36.8	0.0	13.5	2.2	12.1	3.2	69.0	32.2	35.7	28.7
Malaysia	643	10.6	0.4	14.4	1.1	21.4	34.2	13.8	4.0	26.5	11.0	11.5	10.4
Malta	672	18.8	0.0	15.9	0.9	23.3	15.6	20.4	5.1	35.6	18.8	19.6	18.0
Morocco	440	2.0	1.1	5.7	1.0	18.1	38.8	19.5	13.9	9.7	3.0	3.8	2.2
Norway	655	26.0	0.0	28.9	0.0	19.2	8.9	13.5	3.5	54.9	26.0	32.3	19.5
Oman	661	8.2	0.5	10.5	0.3	55.5	15.6	6.3	3.1	19.5	8.7	10.8	6.3
Palestinian Nat'l Auth.	629	6.5	1.2	5.8	4.6	42.6	29.2	7.1	3.1	18.0	7.7	10.9	4.2
Qatar	1036	2.9	0.1	5.0	0.8	39.7	26.7	16.6	8.3	8.7	3.0	4.0	1.9
Romania	604	11.7	0.0	16.9	2.2	29.1	11.4	23.0	5.7	30.8	11.7	13.6	9.9
Russian Federation	642	32.3	0.0	25.6	0.5	14.3	5.2	16.4	5.8	58.3	32.3	35.9	28.5
Saudi Arabia	609	8.8	0.1	15.8	0.0	34.7	22.3	11.5	6.8	24.7	8.9	14.3	3.7
Scotland	574	23.6	0.0	29.4	0.0	22.8	7.0	15.0	2.2	53.0	23.6	22.5	24.7
Serbia	579	24.5	0.2	17.9	1.6	12.6	6.3	27.2	9.8	44.1	24.7	24.8	24.5
Singapore	654	37.5	0.6	15.9	0.3	31.3	6.3	7.0	1.1	54.3	38.1	39.9	36.6
Slovenia	578	27.7	0.0	29.3	0.5	30.6	4.5	7.1	0.3	57.5	27.7	32.8	23.4
Sweden	743	32.2	0.0	24.5	0.3	9.6	8.5	21.4	3.4	57.1	32.3	38.3	26.5
Syrian Arab Republic	661	8.6	0.2	8.3	11.7	28.1	22.6	13.7	6.9	28.8	8.8	8.6	9.0
Thailand	773	14.2	0.7	35.5	0.3	24.1	11.9	8.6	4.7	50.7	14.8	18.3	11.6
Tunisia	580	11.4	1.2	14.0	0.6	52.1	6.7	10.0	4.1	27.1	12.5	11.7	13.4
Turkey	629	11.4	1.0	18.1	0.6	39.9	10.5	13.3	5.2	31.2	12.4	10.6	13.7
Ukraine	637	15.0	1.2	10.6	7.0	33.5	5.4	19.7	7.5	33.9	16.3	19.9	12.6
United States	1073	46.8	0.2	24.1	0.6	18.3	3.8	4.4	1.9	71.6	47.0	46.8	47.2
International Avg.	639	18.4	0.6	17.2	1.4	26.2	14.2	16.0	6.1	37.6	19.0	20.8	17.2
Basque Country, Spain	332	25.7	0.6	30.4	0.0	9.4	7.8	22.5	3.6	56.7	26.3	27.3	25.3
British Columbia, Canada	607	47.6	0.3	18.9	0.2	17.2	3.6	9.6	2.5	67.1	48.0	48.8	46.9
Dubai, UAE	464	16.4	1.7	18.0	3.1	28.1	11.5	14.8	6.4	39.3	18.2	22.2	14.2
Massachusetts, US	277	64.1	0.4	15.4	0.0	13.5	2.0	2.7	2.1	79.8	64.4	61.5	67.8
Minnesota, US	251	56.4	0.6	17.8	0.0	18.9	3.3	2.6	0.5	74.8	57.0	63.1	50.7
Ontario, Canada	487	48.0	0.0	17.2	0.0	23.8	3.6	6.4	1.0	65.2	48.0	54.7	40.1
Quebec, Canada	558	31.2	0.6	19.8	0.0	18.8	12.3	14.8	2.6	51.5	31.8	37.1	27.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S032697A - S01_10A)
 Label: At the bottom of ocean
 Type: CR Key: -

COUNTRY	N	10	11	12	13	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	751	3.8	0.5	0.1	0.6	4.2	1.0	0.4	42.9	32.3	14.3	9.2	11.3	7.1
Armenia	622	20.2	2.6	14.6	2.0	1.7	5.3	0.1	21.2	27.4	4.9	41.1	40.4	41.8
Australia	582	37.4	8.6	8.3	3.2	0.0	2.7	6.0	17.3	10.6	6.0	57.5	48.6	65.6
Bahrain	606	11.2	3.8	2.9	1.5	4.7	6.8	4.1	37.0	21.5	6.5	24.0	34.1	14.4
Bosnia and Herzegovina	602	27.3	3.7	4.7	1.8	1.8	2.2	4.5	15.6	27.9	10.5	39.3	40.2	38.4
Botswana	598	2.3	2.6	0.1	0.9	0.5	2.0	1.1	64.5	13.3	12.8	6.4	5.8	6.9
Bulgaria	439	26.5	3.3	1.9	2.2	1.3	9.6	1.4	9.5	23.8	20.6	35.2	32.6	37.6
Chinese Taipei	574	34.2	2.0	11.7	3.6	0.9	7.4	0.2	28.3	8.7	3.1	52.4	51.8	52.9
Colombia	689	14.4	0.7	2.7	5.1	1.2	5.9	2.3	37.9	14.4	15.3	24.1	19.4	28.9
Cyprus	625	9.5	2.8	3.9	3.4	0.8	2.0	15.7	29.4	21.7	10.7	20.4	16.5	24.0
Czech Republic	694	30.4	5.4	16.0	4.0	0.8	2.6	3.7	20.0	12.2	4.8	56.7	51.5	61.4
Egypt	935	11.0	3.8	0.7	1.1	0.6	4.2	4.4	52.2	15.9	6.2	17.2	19.1	15.3
El Salvador	572	8.3	1.1	3.2	2.3	7.4	5.0	7.2	31.7	16.9	16.9	22.3	16.4	28.2
England	589	33.6	6.1	5.8	2.5	0.1	5.1	3.8	32.9	8.4	1.8	48.0	45.9	50.3
Georgia	601	9.3	1.2	2.1	1.1	0.4	4.8	0.4	15.2	35.9	29.6	14.1	10.5	17.3
Ghana	755	1.9	1.5	0.0	1.2	0.6	1.8	1.3	44.1	31.9	15.7	5.2	3.6	6.5
Hong Kong SAR	501	20.2	2.5	6.4	2.3	1.6	10.0	6.1	35.7	10.9	4.4	33.0	28.9	37.0
Hungary	582	46.4	2.9	12.0	1.5	0.4	1.9	2.6	13.8	13.3	5.3	63.2	63.7	62.7
Indonesia	605	8.8	1.2	0.6	3.4	0.9	2.8	0.3	57.0	17.7	7.2	15.0	12.4	17.5
Iran, Islamic Rep. of	572	12.5	0.8	2.9	5.8	1.5	3.1	9.6	33.1	23.2	7.4	23.6	24.1	23.2
Israel	460	20.9	3.2	3.8	3.8	1.1	8.1	3.5	20.6	25.3	9.6	32.8	34.4	31.1
Italy	631	32.8	3.8	3.4	2.9	0.8	3.5	3.5	19.5	21.7	8.0	43.7	39.4	47.8
Japan	610	24.0	2.4	15.0	4.1	1.9	10.1	1.1	28.3	8.7	4.4	47.3	43.2	51.9
Jordan	742	21.1	6.3	9.0	3.3	3.8	7.0	3.3	32.1	11.2	3.0	43.5	46.2	41.1
Korea, Rep. of	612	17.4	0.8	23.8	3.3	0.7	10.2	0.5	36.8	5.2	1.2	46.0	45.1	46.9
Kuwait	580	7.1	1.4	6.4	0.6	2.3	0.3	1.4	41.5	28.0	10.9	17.9	21.4	13.9
Lebanon	533	4.3	1.2	1.3	1.6	0.8	6.4	1.2	34.7	32.3	16.3	9.1	9.1	9.2
Lithuania	572	22.7	4.7	19.1	3.9	0.2	5.7	3.5	24.3	10.7	5.2	50.6	47.2	54.1
Malaysia	643	10.1	1.2	2.3	3.1	1.0	5.4	3.6	54.0	12.0	7.4	17.6	15.4	20.0
Malta	671	22.6	7.6	3.4	2.3	0.0	3.4	1.5	31.6	19.5	8.1	35.9	33.7	38.2
Morocco	440	2.1	0.3	0.3	0.5	0.4	0.4	1.0	32.9	43.5	18.4	3.7	4.4	2.9
Norway	655	30.1	10.6	10.9	4.5	1.5	4.0	4.3	20.0	9.6	4.4	57.7	55.9	59.5
Oman	661	15.6	0.6	1.9	3.0	1.2	9.4	4.0	46.3	13.9	4.2	22.2	25.2	18.9
Palestinian Nat'l Auth.	626	15.1	2.2	3.1	1.3	3.2	5.9	3.2	47.6	14.1	4.4	24.9	31.2	18.1
Qatar	1036	8.2	0.7	1.1	0.2	1.3	0.8	2.5	47.5	28.4	9.3	11.5	15.1	7.9
Romania	604	17.3	1.8	3.7	3.5	6.2	11.3	1.5	20.9	25.0	8.8	32.4	33.2	31.7
Russian Federation	642	38.1	3.8	8.8	2.1	0.1	5.8	0.9	11.6	20.3	8.6	52.7	49.9	55.6
Saudi Arabia	609	10.5	1.5	2.0	0.7	0.9	1.9	0.9	53.2	20.4	8.1	15.6	21.2	10.2
Scotland	574	25.9	7.6	7.7	4.3	0.7	5.0	4.7	29.7	10.6	3.7	46.3	41.9	50.7
Serbia	579	35.2	4.5	4.0	3.4	1.2	3.0	2.1	8.1	25.0	13.6	48.3	47.3	49.2
Singapore	654	39.2	5.5	4.6	1.5	1.4	13.5	1.7	22.9	7.2	2.5	52.2	50.4	53.9
Slovenia	578	60.4	1.6	4.6	10.5	0.1	4.8	1.8	10.9	4.6	0.6	77.4	77.4	77.3
Sweden	743	35.9	10.8	9.5	7.7	1.3	7.2	3.7	9.5	9.3	5.0	65.3	64.4	66.1
Syrian Arab Republic	661	11.7	2.9	1.3	1.4	0.5	3.3	0.6	41.0	27.5	9.8	17.8	17.5	18.1
Thailand	773	11.7	1.8	5.1	4.3	0.5	3.0	1.4	47.7	18.3	6.3	23.3	24.0	22.7
Tunisia	579	9.8	2.6	2.3	2.9	0.6	9.6	2.7	45.2	15.9	8.4	18.2	16.4	20.1
Turkey	629	8.3	1.3	3.3	4.9	1.8	5.3	2.9	44.9	20.3	6.8	19.7	16.2	22.2
Ukraine	637	17.2	4.5	15.0	3.0	4.3	5.5	0.4	15.9	23.4	10.7	44.0	45.7	42.4
United States	1073	38.6	11.0	8.4	2.6	0.9	1.8	6.5	22.3	4.9	3.1	61.5	55.1	68.4
International Avg.	639	20.1	3.4	5.8	2.9	1.5	5.0	3.0	31.4	18.5	8.5	33.6	32.7	34.4
Basque Country, Spain	332	31.8	5.9	6.3	4.6	0.3	2.3	7.5	23.4	10.5	7.4	48.8	44.0	53.2
British Columbia, Canada	607	34.0	10.9	11.9	3.0	0.8	2.4	3.4	21.9	7.7	4.1	60.5	56.3	65.9
Dubai, UAE	464	19.8	4.8	6.8	3.9	1.1	6.3	2.3	27.8	19.4	7.7	36.5	37.4	35.6
Massachusetts, US	277	42.4	15.9	8.0	3.8	0.0	2.1	4.2	15.8	5.0	2.8	70.1	64.9	75.9
Minnesota, US	251	39.2	12.8	17.8	4.2	0.6	1.3	4.5	15.8	2.6	1.3	74.6	72.2	77.1
Ontario, Canada	487	27.4	12.6	11.4	2.9	0.6	4.0	4.5	27.6	7.1	1.9	54.9	50.9	59.6
Quebec, Canada	558	22.1	13.0	5.1	3.7	0.1	9.6	3.3	30.5	7.5	5.1	43.9	44.3	43.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S032697B - S01_10B)
 Label: At the bottom of ocean
 Type: CR Key: -

COUNTRY	N	10	11	12	13	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	750	2.1	0.6	0.0	1.5	2.8	0.6	0.7	41.1	36.2	14.3	7.1	9.3	4.9
Armenia	621	10.0	2.6	9.8	12.3	2.3	2.8	0.0	23.5	31.9	4.7	37.0	35.4	38.5
Australia	582	15.6	13.2	7.9	14.1	0.5	2.8	3.8	22.4	13.7	6.0	51.3	46.4	55.7
Bahrain	606	7.1	2.3	3.1	5.2	2.8	4.6	6.2	38.1	24.1	6.5	20.6	26.6	14.8
Bosnia and Herzegovina	602	8.4	5.9	3.4	6.9	1.4	5.1	3.7	17.8	36.9	10.5	26.0	26.0	26.0
Botswana	598	2.7	1.2	0.0	1.1	0.4	1.8	0.9	63.4	15.6	12.8	5.4	6.3	4.5
Bulgaria	439	8.9	5.8	7.3	7.8	0.3	8.1	1.2	9.9	30.2	20.6	30.1	32.1	28.2
Chinese Taipei	574	18.3	3.2	13.3	14.2	1.4	7.6	0.0	27.4	11.5	3.1	50.4	48.1	52.7
Colombia	689	6.9	0.8	3.1	6.4	0.8	3.2	4.0	40.4	19.1	15.3	18.0	13.2	22.7
Cyprus	625	4.1	4.2	1.5	6.8	1.4	3.4	6.0	32.1	29.9	10.7	18.0	13.8	21.9
Czech Republic	694	16.0	11.2	10.1	12.0	0.8	4.8	3.0	19.0	18.2	4.8	50.2	45.4	54.5
Egypt	935	5.9	2.5	0.7	2.1	0.6	3.5	5.1	50.6	22.6	6.2	11.9	11.8	11.9
El Salvador	572	2.6	1.1	1.1	5.7	2.8	3.1	7.0	37.3	22.3	16.9	13.4	10.3	16.4
England	589	11.4	4.9	8.1	16.9	0.0	7.3	5.3	32.4	11.6	1.8	41.5	38.4	44.8
Georgia	601	2.7	1.6	0.9	2.0	2.3	3.8	0.6	15.5	40.9	29.6	9.5	12.1	7.2
Ghana	755	1.0	1.2	0.0	2.0	0.0	1.7	0.5	40.3	37.6	15.7	4.1	3.7	4.5
Hong Kong SAR	501	10.5	4.4	5.8	9.7	0.6	5.8	3.8	38.5	16.5	4.4	31.0	30.8	31.2
Hungary	582	14.6	10.2	12.7	16.7	0.3	3.6	3.4	13.9	19.3	5.3	54.5	54.9	54.1
Indonesia	606	2.8	1.5	0.7	3.0	0.0	4.8	0.5	58.1	21.2	7.2	8.1	8.3	8.0
Iran, Islamic Rep. of	572	6.1	0.5	1.8	9.9	0.9	4.1	5.2	35.5	28.6	7.4	19.2	19.0	19.4
Israel	460	6.8	3.9	2.5	10.5	1.6	4.9	2.8	24.1	33.3	9.6	25.4	25.9	24.8
Italy	631	6.5	6.9	7.2	12.1	0.5	3.9	3.9	19.8	31.1	8.0	33.2	33.4	33.1
Japan	610	15.8	1.7	13.6	12.0	1.8	7.0	1.1	29.3	13.3	4.4	44.9	43.6	46.4
Jordan	742	10.3	6.1	5.1	10.1	1.7	6.2	5.5	37.1	14.8	3.0	33.4	37.6	29.7
Korea, Rep. of	612	13.4	3.4	12.2	12.3	0.3	9.7	1.6	38.9	7.1	1.2	41.5	38.7	44.0
Kuwait	579	3.1	1.0	3.7	2.0	3.1	1.2	1.7	39.3	34.2	10.7	12.9	14.9	10.6
Lebanon	533	2.7	0.8	1.3	4.8	0.6	1.9	1.1	34.3	36.2	16.3	10.3	9.9	10.7
Lithuania	572	16.7	5.9	7.8	11.9	0.5	6.7	3.8	23.4	18.0	5.2	42.9	38.8	46.9
Malaysia	643	5.2	1.5	0.6	8.4	0.9	5.1	4.3	49.9	16.6	7.4	16.7	16.7	16.7
Malta	670	7.1	5.9	3.0	11.8	0.1	2.8	3.4	33.3	24.6	8.1	27.9	24.5	31.2
Morocco	440	0.5	0.2	0.4	0.9	0.9	0.0	0.0	31.4	47.2	18.4	3.0	4.3	1.7
Norway	655	12.5	11.1	8.2	16.6	1.2	5.0	5.0	20.1	15.9	4.4	49.5	44.7	54.4
Oman	661	6.9	1.3	2.9	8.4	1.3	4.4	3.9	48.8	17.9	4.2	20.7	24.8	16.2
Palestinian Nat'l Auth.	626	5.4	1.7	1.8	4.4	2.0	5.8	4.1	51.6	18.8	4.4	15.2	18.2	12.1
Qatar	1036	2.7	1.1	0.8	1.6	1.0	1.1	2.9	48.6	31.0	9.3	7.2	9.4	5.0
Romania	604	10.3	5.7	3.0	7.1	5.9	6.9	1.1	19.4	31.8	8.8	32.0	36.7	27.8
Russian Federation	642	12.4	8.3	11.1	12.2	0.0	7.8	1.8	11.2	26.6	8.6	44.0	43.7	44.2
Saudi Arabia	609	2.8	0.5	1.2	2.8	0.9	4.8	2.7	51.7	24.5	8.1	8.2	11.1	5.5
Scotland	574	11.5	7.2	5.6	12.7	0.1	2.3	10.3	29.5	17.0	3.7	37.1	32.7	41.6
Serbia	579	11.1	6.5	7.2	11.3	0.8	4.5	3.9	10.7	30.6	13.6	36.8	33.6	39.8
Singapore	654	16.2	7.9	8.3	9.9	1.5	11.8	1.6	30.9	9.4	2.5	43.8	39.5	47.7
Slovenia	578	13.6	11.4	5.7	37.1	0.2	5.6	1.1	15.9	8.9	0.6	67.9	69.9	66.2
Sweden	743	14.6	11.5	9.9	19.9	1.5	6.0	4.1	11.3	16.3	5.0	57.3	54.4	60.1
Syrian Arab Republic	661	4.4	1.5	1.9	5.0	0.8	3.7	1.1	37.5	34.5	9.8	13.5	11.8	15.5
Thailand	773	6.6	1.3	3.7	9.5	0.4	4.5	2.0	45.8	20.0	6.3	21.5	23.5	19.7
Tunisia	579	4.1	2.3	2.0	6.2	1.3	4.6	3.6	46.6	21.0	8.4	15.9	14.2	17.7
Turkey	629	5.6	0.2	2.9	6.2	1.3	4.4	2.6	41.3	28.6	6.8	16.3	14.6	17.5
Ukraine	637	11.1	5.0	6.4	9.2	2.4	4.6	1.7	16.5	32.5	10.7	34.1	34.5	33.6
United States	1073	15.7	11.5	10.4	17.6	0.7	2.2	5.8	26.4	6.5	3.1	55.9	49.2	63.3
International Avg.	639	8.4	4.3	4.9	9.2	1.2	4.5	3.1	32.3	23.6	8.5	28.1	27.5	28.7
Basque Country, Spain	332	9.4	7.7	6.1	13.2	0.2	3.7	6.3	26.8	19.3	7.4	36.6	29.0	43.3
British Columbia, Canada	607	17.2	13.3	10.5	13.1	0.3	2.8	5.6	22.8	10.3	4.1	54.4	51.8	57.5
Dubai, UAE	464	8.7	3.7	2.7	9.5	0.7	7.5	4.0	28.9	26.5	7.7	25.3	23.5	27.1
Massachusetts, US	277	16.7	14.7	13.2	15.3	0.7	1.8	7.0	22.5	5.2	2.8	60.7	55.2	67.0
Minnesota, US	251	23.2	10.8	14.5	18.1	0.5	4.1	5.0	19.5	3.1	1.3	67.0	69.3	64.6
Ontario, Canada	487	14.8	12.5	8.2	15.9	0.2	2.4	6.2	26.8	11.2	1.9	51.6	47.5	56.5
Quebec, Canada	558	12.9	6.7	6.7	14.8	1.2	4.5	5.5	30.8	11.6	5.1	42.4	43.2	41.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S032697D - S01_10D)
 Label: At the bottom of ocean/DERIVED
 Type: CR Key: -

COUNTRY	N	20	10	70	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	750	4.9	6.6	41.9	32.3	14.3	11.4	4.9	6.3	3.5
Armenia	621	31.3	15.6	22.4	26.0	4.7	46.9	31.3	28.6	33.9
Australia	582	44.3	20.1	18.9	10.6	6.0	64.5	44.3	36.7	51.3
Bahrain	606	11.3	21.9	39.0	21.3	6.5	33.2	11.3	15.7	7.2
Bosnia and Herzegovina	602	19.6	26.2	16.2	27.5	10.5	45.8	19.6	19.2	20.0
Botswana	598	2.0	7.9	64.1	13.3	12.8	9.8	2.0	2.6	1.3
Bulgaria	439	21.7	21.9	12.6	23.2	20.6	43.6	21.7	21.7	21.6
Chinese Taipei	574	37.4	27.9	23.4	8.2	3.1	65.3	37.4	33.6	41.2
Colombia	689	11.0	20.0	39.2	14.4	15.3	31.1	11.0	7.8	14.3
Cyprus	625	9.8	18.8	39.0	21.7	10.7	28.6	9.8	5.1	14.2
Czech Republic	694	42.6	21.6	19.0	12.0	4.8	64.2	42.6	36.5	48.2
Egypt	935	4.9	19.2	54.4	15.3	6.2	24.1	4.9	4.9	4.9
El Salvador	572	4.7	26.3	35.2	16.9	16.9	31.0	4.7	3.2	6.1
England	589	31.3	26.9	31.6	8.4	1.8	58.2	31.3	27.4	35.5
Georgia	601	5.2	13.2	16.2	35.7	29.6	18.4	5.2	5.6	4.9
Ghana	755	1.5	6.4	44.8	31.6	15.7	7.8	1.5	1.2	1.7
Hong Kong SAR	501	20.7	22.7	41.4	10.9	4.4	43.3	20.7	18.0	23.3
Hungary	582	50.1	17.6	13.8	13.3	5.3	67.6	50.1	49.5	50.6
Indonesia	605	3.1	16.9	56.0	16.8	7.2	19.9	3.1	2.3	3.8
Iran, Islamic Rep. of	572	10.2	22.4	37.2	22.8	7.4	32.6	10.2	8.5	11.6
Israel	460	16.3	25.6	23.4	25.2	9.6	41.9	16.3	16.4	16.2
Italy	631	27.6	21.8	20.9	21.7	8.0	49.4	27.6	27.0	28.2
Japan	610	31.9	28.4	26.6	8.7	4.4	60.3	31.9	29.9	34.2
Jordan	742	24.4	28.1	33.4	11.1	3.0	52.5	24.4	27.9	21.2
Korea, Rep. of	612	28.1	31.4	34.1	5.2	1.2	59.5	28.1	25.9	29.9
Kuwait	579	8.7	13.4	39.4	27.8	10.7	22.1	8.7	10.3	6.8
Lebanon	533	4.5	10.4	36.5	32.3	16.3	14.9	4.5	5.3	3.5
Lithuania	572	34.1	25.4	24.8	10.5	5.2	59.4	34.1	28.8	39.3
Malaysia	643	9.1	16.1	55.6	11.8	7.4	25.2	9.1	8.5	9.8
Malta	670	22.8	18.0	31.8	19.2	8.1	40.9	22.8	20.4	25.3
Morocco	440	1.0	4.8	33.1	42.7	18.4	5.7	1.0	1.4	0.5
Norway	655	43.1	20.9	22.2	9.4	4.4	64.0	43.1	38.3	48.2
Oman	661	8.9	25.0	48.3	13.5	4.2	34.0	8.9	9.6	8.2
Palestinian Nat'l Auth.	626	8.3	23.4	50.1	13.7	4.4	31.8	8.3	9.5	7.1
Qatar	1036	4.6	9.5	48.9	27.6	9.3	14.1	4.6	6.1	3.1
Romania	604	18.1	28.4	19.9	24.9	8.8	46.4	18.1	17.9	18.2
Russian Federation	642	34.8	27.0	9.1	20.3	8.6	61.9	34.8	32.9	36.8
Saudi Arabia	609	4.8	14.3	52.6	20.3	8.1	19.1	4.8	6.9	2.7
Scotland	574	30.6	22.3	32.9	10.6	3.7	52.8	30.6	26.7	34.5
Serbia	579	31.8	21.5	8.2	24.9	13.6	53.3	31.8	27.5	35.9
Singapore	654	29.5	37.0	23.8	7.2	2.5	66.5	29.5	24.4	34.2
Slovenia	578	62.4	20.6	12.0	4.4	0.6	82.9	62.4	61.5	63.1
Sweden	743	48.3	25.9	11.7	9.0	5.0	74.3	48.3	43.4	53.0
Syrian Arab Republic	661	8.2	14.8	39.8	27.3	9.8	23.1	8.2	7.4	9.2
Thailand	773	12.7	19.5	43.3	18.3	6.3	32.2	12.7	13.5	12.0
Tunisia	579	7.0	20.1	48.6	15.9	8.4	27.1	7.0	5.5	8.6
Turkey	629	6.9	22.2	44.0	20.1	6.8	29.1	6.9	4.6	8.5
Ukraine	637	27.3	23.5	15.1	23.4	10.7	50.8	27.3	27.1	27.5
United States	1073	47.9	21.6	22.5	4.9	3.1	69.5	47.9	40.8	55.7
International Avg.	639	20.6	20.4	32.2	18.3	8.5	41.1	20.6	19.2	22.0
Basque Country, Spain	332	31.3	22.8	28.0	10.5	7.4	54.1	31.3	23.9	37.9
British Columbia, Canada	607	46.3	22.3	19.8	7.5	4.1	68.6	46.3	42.2	51.5
Dubai, UAE	464	18.8	24.1	29.9	19.4	7.7	43.0	18.8	16.0	21.7
Massachusetts, US	277	54.8	21.1	16.8	4.5	2.8	75.9	54.8	49.5	61.0
Minnesota, US	251	62.9	15.8	17.4	2.6	1.3	78.7	62.9	63.2	62.6
Ontario, Canada	487	40.9	24.8	25.3	7.1	1.9	65.6	40.9	35.7	46.9
Quebec, Canada	558	28.6	29.1	29.7	7.5	5.1	57.7	28.6	27.6	29.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042009 - S02_01)
 Label: Complex molecules are broken down
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	40.2	25.6	13.0	40.2	16.3	4.5	0.3	41.4	39.0
Armenia	610	59.0	10.0	8.8	59.0	13.1	7.9	1.1	57.2	60.9
Australia	591	49.7	26.3	13.0	49.7	9.7	1.3	0.0	49.6	49.8
Bahrain	611	63.7	16.9	7.9	63.7	10.1	1.4	0.0	68.9	58.9
Bosnia and Herzegovina	603	17.8	17.2	27.9	17.8	28.5	8.5	0.0	17.3	18.4
Botswana	589	55.5	14.4	16.1	55.5	12.2	1.8	0.0	57.4	53.4
Bulgaria	448	23.1	58.9	6.9	23.1	8.9	1.7	0.5	27.3	19.2
Chinese Taipei	580	75.6	4.1	13.8	75.6	6.5	0.0	0.0	75.7	75.6
Colombia	693	19.0	23.7	42.5	19.0	12.4	2.0	0.4	16.7	21.3
Cyprus	630	36.6	32.1	10.8	36.6	18.5	1.6	0.2	33.1	39.9
Czech Republic	694	46.4	10.1	32.1	46.4	10.0	1.5	0.0	40.9	51.4
Egypt	929	66.1	14.2	12.6	66.1	5.9	0.9	0.3	64.3	67.8
El Salvador	573	23.1	27.9	27.5	23.1	17.8	3.7	0.0	22.6	23.7
England	581	69.4	12.8	12.4	69.4	5.0	0.4	0.1	71.0	67.6
Georgia	609	39.5	27.1	6.4	39.5	25.0	2.0	0.0	43.7	35.7
Ghana	749	63.4	13.2	11.7	63.4	10.4	1.3	0.0	62.3	64.2
Hong Kong SAR	489	56.3	8.5	16.1	56.3	17.9	1.0	0.3	53.9	58.9
Hungary	574	41.4	37.4	14.9	41.4	4.8	1.4	0.2	36.0	46.5
Indonesia	602	34.1	16.6	26.2	34.1	21.2	1.7	0.3	30.7	37.5
Iran, Islamic Rep. of	573	37.1	24.7	18.5	37.1	17.8	2.0	0.0	36.4	37.6
Israel	464	38.5	34.7	8.0	38.5	14.6	3.6	0.6	40.2	36.6
Italy	626	43.4	17.8	22.9	43.4	12.1	3.5	0.3	45.6	41.7
Japan	614	69.0	7.5	7.5	69.0	15.2	0.8	0.0	70.2	67.6
Jordan	740	70.9	12.0	8.3	70.9	6.8	2.0	0.0	76.1	66.1
Korea, Rep. of	607	84.0	4.2	4.2	84.0	7.5	0.0	0.0	85.2	83.1
Kuwait	567	46.6	25.2	9.9	46.6	13.0	3.2	2.2	53.2	39.3
Lebanon	532	53.9	22.3	8.1	53.9	10.9	4.3	0.5	54.7	53.0
Lithuania	571	67.6	13.8	0.7	67.6	17.0	0.9	0.0	67.8	67.5
Malaysia	639	58.5	17.0	11.9	58.5	11.3	1.0	0.3	64.1	52.2
Malta	662	47.9	17.2	21.2	47.9	12.2	1.4	0.2	51.5	44.4
Morocco	442	34.5	37.4	10.7	34.5	14.8	2.0	0.5	35.3	33.7
Norway	651	35.2	30.6	2.4	35.2	30.4	1.5	0.0	33.8	36.6
Oman	662	47.1	29.6	13.9	47.1	6.7	2.6	0.0	51.2	42.6
Palestinian Nat'l Auth.	633	57.8	17.2	14.0	57.8	9.8	1.2	0.0	60.3	55.2
Qatar	1021	41.3	25.5	18.6	41.3	13.1	1.4	0.1	43.5	39.1
Romania	598	48.9	19.4	14.8	48.9	16.0	0.9	0.0	45.5	52.4
Russian Federation	638	65.2	13.8	10.6	65.2	8.3	2.1	0.0	64.8	65.6
Saudi Arabia	609	55.4	18.4	16.8	55.4	8.0	1.4	0.0	64.9	46.6
Scotland	583	58.1	18.8	12.7	58.1	8.1	2.2	0.1	57.0	59.2
Serbia	569	15.8	14.7	31.3	15.8	31.9	6.4	0.0	13.3	18.1
Singapore	657	82.3	10.9	4.4	82.3	2.1	0.1	0.2	86.9	77.9
Slovenia	581	46.9	24.9	2.6	46.9	24.6	1.0	0.0	44.9	48.8
Sweden	741	43.9	37.6	7.1	43.9	10.5	0.7	0.1	41.8	45.9
Syrian Arab Republic	665	46.2	25.5	19.7	46.2	6.1	2.2	0.3	50.2	41.7
Thailand	786	55.5	10.0	15.3	55.5	18.9	0.4	0.0	57.6	53.5
Tunisia	584	81.0	7.8	6.1	81.0	3.6	1.5	0.0	82.6	79.1
Turkey	633	67.9	9.5	13.7	67.9	8.0	0.9	0.0	68.0	67.9
Ukraine	639	72.6	11.0	5.1	72.6	10.8	0.5	0.0	73.5	71.6
United States	1065	60.7	22.8	8.8	60.7	6.6	0.9	0.2	56.8	64.5
International Avg.	638	51.3	20.0	13.7	51.3	12.9	2.0	0.2	52.0	50.6
Basque Country, Spain	328	19.7	31.7	19.3	19.7	27.7	1.7	0.0	15.5	24.0
British Columbia, Canada	603	52.8	24.5	15.8	52.8	6.4	0.3	0.2	52.0	53.9
Dubai, UAE	451	61.9	18.7	9.9	61.9	6.8	2.4	0.4	59.3	64.4
Massachusetts, US	267	66.7	21.0	7.3	66.7	3.7	1.3	0.0	63.7	70.3
Minnesota, US	256	60.2	21.4	7.9	60.2	10.1	0.5	0.0	60.1	60.2
Ontario, Canada	492	46.7	30.5	12.2	46.7	10.0	0.7	0.0	47.4	45.9
Quebec, Canada	553	37.5	31.4	12.9	37.5	16.6	1.6	0.0	35.3	39.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042313 - S02_02)
 Label: Why one friend did not get influenza
 Type: CR Key: -

COUNTRY	N	10	11	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	761	12.9	15.2	3.1	0.4	0.0	38.2	29.8	0.3	31.2	31.9	30.6
Armenia	610	55.2	9.6	5.2	0.4	0.4	5.3	22.9	1.1	70.0	70.9	69.1
Australia	591	44.9	28.7	0.0	2.9	0.8	12.7	10.1	0.0	73.5	77.0	70.5
Bahrain	611	52.6	15.8	2.6	0.9	0.9	13.4	13.8	0.0	71.0	86.7	56.9
Bosnia and Herzegovina	603	46.7	18.9	0.7	2.5	1.3	7.7	22.1	0.0	66.4	64.8	68.0
Botswana	589	1.9	12.8	0.7	1.1	0.5	60.0	23.0	0.0	15.5	15.7	15.2
Bulgaria	448	48.2	18.2	0.6	3.1	1.6	3.3	24.4	0.5	67.0	67.0	67.0
Chinese Taipei	580	63.1	17.5	4.0	5.5	0.5	3.9	5.6	0.0	84.6	89.2	80.2
Colombia	693	38.3	18.4	0.2	2.3	1.4	19.9	19.0	0.4	57.0	57.3	56.6
Cyprus	630	13.2	39.3	2.0	8.8	2.8	12.3	21.4	0.2	54.5	56.6	52.4
Czech Republic	694	58.1	16.3	0.5	2.3	1.5	17.0	4.2	0.0	75.0	75.8	74.2
Egypt	936	33.9	24.7	0.0	0.1	1.9	23.9	15.3	0.3	58.6	64.3	53.1
El Salvador	574	28.6	36.3	0.6	2.4	2.0	15.7	14.3	0.1	65.5	63.3	68.0
England	581	47.3	34.9	0.0	1.4	0.4	11.9	4.2	0.1	82.1	87.2	76.6
Georgia	610	37.1	9.5	4.6	6.6	0.2	12.2	29.8	0.0	51.2	52.0	50.4
Ghana	749	3.0	7.6	0.2	0.7	0.4	42.4	45.8	0.0	10.7	8.6	12.5
Hong Kong SAR	489	23.5	27.0	0.4	32.1	0.4	10.2	6.2	0.3	50.8	48.6	53.3
Hungary	574	51.0	22.5	0.0	10.9	2.2	4.0	9.2	0.2	73.5	77.0	70.1
Indonesia	602	21.0	29.9	2.6	7.1	1.6	26.8	10.6	0.3	53.6	55.1	52.0
Iran, Islamic Rep. of	573	33.5	35.4	2.6	0.2	0.3	12.7	15.3	0.0	71.5	72.3	70.7
Israel	464	37.0	30.0	0.5	2.1	0.0	13.4	16.3	0.6	67.5	68.2	66.8
Italy	626	50.8	21.3	1.1	2.5	0.0	9.6	14.3	0.3	73.2	75.2	71.6
Japan	614	44.9	37.3	0.7	3.4	0.2	10.3	3.3	0.0	82.9	85.7	79.7
Jordan	740	48.0	22.6	0.5	0.1	0.4	19.5	8.9	0.0	71.1	76.8	65.8
Korea, Rep. of	607	48.5	28.4	0.0	1.9	0.0	16.9	4.3	0.0	76.9	78.1	75.8
Kuwait	567	38.9	14.4	1.7	0.2	0.4	19.9	22.4	2.2	55.0	66.7	42.3
Lebanon	533	37.2	5.3	4.0	0.4	0.4	22.2	30.0	0.5	46.5	49.5	43.1
Lithuania	571	58.9	20.7	2.2	2.3	0.0	10.2	5.5	0.0	81.9	86.6	77.0
Malaysia	639	23.3	13.2	2.1	12.7	5.0	25.0	18.4	0.3	38.6	41.1	35.8
Malta	660	27.9	25.6	0.7	8.3	8.7	14.0	14.6	0.2	54.2	53.5	54.9
Morocco	447	12.5	19.5	0.2	0.5	0.3	27.8	38.6	0.5	32.2	35.2	29.0
Norway	651	45.6	30.6	0.0	0.9	1.0	13.6	8.4	0.0	76.2	81.8	70.8
Oman	662	24.9	19.4	0.5	1.5	1.2	36.7	15.7	0.0	44.9	56.4	32.2
Palestinian Nat'l Auth.	633	29.7	24.0	2.6	0.3	0.1	29.8	13.5	0.0	56.3	62.7	49.6
Qatar	1021	18.3	16.7	0.5	0.9	1.0	29.8	32.8	0.1	35.5	47.1	23.8
Romania	598	46.9	22.0	1.6	8.8	0.7	5.7	14.3	0.0	70.5	73.6	67.4
Russian Federation	638	76.9	7.6	1.2	2.5	1.3	4.1	6.4	0.0	85.7	89.1	82.1
Saudi Arabia	609	27.3	20.1	0.3	0.5	2.5	31.9	17.2	0.0	47.8	60.8	35.7
Scotland	583	31.9	34.9	0.0	4.4	0.4	17.7	10.5	0.1	66.8	70.7	63.2
Serbia	570	50.5	15.2	0.7	4.7	0.8	7.4	20.7	0.0	66.4	68.2	64.8
Singapore	657	38.4	28.5	0.0	9.7	1.2	14.7	7.4	0.2	66.9	70.8	63.3
Slovenia	581	62.6	18.4	0.4	1.9	1.2	10.5	5.0	0.0	81.4	82.8	80.0
Sweden	741	55.7	23.6	1.4	0.8	0.3	8.0	10.0	0.1	80.8	85.8	76.0
Syrian Arab Republic	665	23.0	39.0	3.8	1.2	0.5	17.1	15.1	0.3	65.8	68.2	63.0
Thailand	786	46.8	23.6	0.8	7.0	0.4	9.8	11.5	0.0	71.3	78.1	64.9
Tunisia	585	34.7	32.6	1.6	1.0	1.2	19.1	9.8	0.0	68.9	69.2	68.6
Turkey	633	43.7	23.6	1.4	1.8	2.6	17.6	9.3	0.0	68.8	72.1	65.6
Ukraine	639	57.7	9.1	7.2	7.7	1.8	4.9	11.6	0.0	73.9	78.0	69.4
United States	1065	43.2	37.4	0.4	1.1	0.5	13.9	3.3	0.2	81.0	81.5	80.4
International Avg.	638	38.8	22.5	1.4	3.7	1.1	17.0	15.2	0.2	62.7	66.0	59.4
Basque Country, Spain	328	44.6	28.4	0.0	2.3	1.5	13.1	10.1	0.0	73.0	71.0	75.1
British Columbia, Canada	603	47.7	29.0	0.3	2.1	0.0	13.1	7.6	0.2	77.1	77.5	76.6
Dubai, UAE	451	36.0	22.6	1.0	1.8	0.8	19.2	18.4	0.4	59.6	68.8	50.9
Massachusetts, US	267	47.7	38.7	0.5	0.7	0.0	10.1	2.3	0.0	86.8	84.3	89.9
Minnesota, US	256	46.4	39.9	1.2	1.5	0.0	9.3	1.8	0.0	87.5	95.5	79.0
Ontario, Canada	492	45.4	27.0	0.9	2.6	0.4	14.4	9.2	0.0	73.3	81.1	65.2
Quebec, Canada	553	39.3	37.4	0.6	2.0	0.6	12.8	7.3	0.0	77.3	77.4	77.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042059 - S02_03)
 Label: Highest percentage of protein
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	23.6	31.4	19.0	21.0	23.6	4.6	0.3	25.8	21.4
Armenia	609	41.9	44.8	2.0	5.4	41.9	4.7	1.2	41.2	42.7
Australia	591	42.6	32.2	10.6	13.7	42.6	0.8	0.0	43.4	42.0
Bahrain	611	49.7	13.4	21.8	14.3	49.7	0.8	0.0	66.5	34.4
Bosnia and Herzegovina	603	40.2	38.3	5.4	14.6	40.2	1.5	0.0	31.8	48.9
Botswana	589	30.9	22.5	5.5	39.1	30.9	2.1	0.0	29.7	32.2
Bulgaria	448	47.6	35.7	5.7	9.5	47.6	1.0	0.5	51.1	44.5
Chinese Taipei	580	65.8	18.5	3.2	12.4	65.8	0.0	0.0	63.9	67.6
Colombia	693	24.5	20.3	5.4	47.8	24.5	1.5	0.5	25.1	23.9
Cyprus	630	37.1	16.8	2.2	43.4	37.1	0.3	0.2	33.1	40.8
Czech Republic	694	42.1	46.5	3.7	6.5	42.1	1.2	0.0	42.7	41.6
Egypt	933	57.2	14.1	11.5	16.4	57.2	0.6	0.3	60.8	53.7
El Salvador	573	15.3	23.6	4.9	53.7	15.3	2.4	0.1	13.3	17.6
England	581	67.1	21.1	3.8	7.3	67.1	0.6	0.1	70.3	63.6
Georgia	610	57.4	18.9	6.3	15.1	57.4	2.3	0.0	54.2	60.4
Ghana	749	51.0	24.0	4.5	19.7	51.0	0.8	0.0	43.1	57.5
Hong Kong SAR	489	62.4	13.8	6.6	16.4	62.4	0.4	0.3	65.8	58.8
Hungary	574	72.0	21.7	2.1	3.6	72.0	0.5	0.2	76.0	68.3
Indonesia	602	26.7	42.4	4.1	25.5	26.7	0.8	0.5	27.5	26.0
Iran, Islamic Rep. of	573	31.7	15.3	22.8	29.3	31.7	0.9	0.0	30.7	32.6
Israel	464	51.1	21.7	12.0	10.3	51.1	4.2	0.6	51.9	50.1
Italy	625	34.9	18.1	7.8	38.3	34.9	0.6	0.3	30.9	38.1
Japan	614	55.3	35.3	6.3	2.9	55.3	0.2	0.0	55.5	55.0
Jordan	740	43.1	14.6	24.0	17.6	43.1	0.6	0.0	47.6	39.0
Korea, Rep. of	607	80.3	5.8	10.5	3.3	80.3	0.2	0.0	84.6	76.7
Kuwait	567	31.2	17.4	25.3	21.9	31.2	2.0	2.2	34.7	27.4
Lebanon	532	41.9	24.7	6.6	25.4	41.9	1.0	0.5	38.9	45.2
Lithuania	569	34.4	55.1	6.2	2.9	34.4	1.4	0.0	34.3	34.5
Malaysia	639	39.6	31.9	9.9	18.2	39.6	0.1	0.3	42.0	36.9
Malta	660	36.7	35.2	3.5	24.0	36.7	0.5	0.2	40.0	33.4
Morocco	433	29.5	20.5	20.2	26.5	29.5	2.8	0.5	31.6	27.2
Norway	651	30.0	15.1	10.0	43.3	30.0	1.6	0.0	30.4	29.7
Oman	662	29.6	24.5	20.4	22.3	29.6	3.1	0.0	30.7	28.3
Palestinian Nat'l Auth.	633	38.2	17.5	18.2	24.7	38.2	1.4	0.0	37.9	38.5
Qatar	1021	26.5	19.3	27.7	25.0	26.5	1.5	0.1	28.9	24.1
Romania	598	42.6	11.0	5.1	39.4	42.6	1.6	0.3	47.3	37.8
Russian Federation	638	73.9	17.5	2.6	4.9	73.9	1.1	0.0	74.6	73.1
Saudi Arabia	607	29.1	15.2	32.1	22.6	29.1	0.8	0.2	35.3	23.3
Scotland	583	50.5	28.8	7.1	13.5	50.5	0.0	0.1	51.0	50.1
Serbia	569	34.3	24.1	7.6	32.5	34.3	1.5	0.0	33.1	35.4
Singapore	657	46.5	28.6	9.1	15.5	46.5	0.1	0.2	46.9	46.1
Slovenia	581	39.8	45.5	8.1	5.9	39.8	0.7	0.0	33.3	46.2
Sweden	741	46.0	22.8	9.6	20.4	46.0	1.0	0.1	47.0	45.1
Syrian Arab Republic	665	53.6	15.8	15.4	12.6	53.6	2.3	0.3	49.1	58.7
Thailand	786	53.8	32.6	4.8	8.6	53.8	0.2	0.0	53.9	53.7
Tunisia	585	27.1	16.3	15.6	35.9	27.1	5.0	0.0	25.2	29.5
Turkey	633	32.9	13.8	12.2	40.0	32.9	0.9	0.1	29.4	36.2
Ukraine	639	44.9	34.5	5.8	12.6	44.9	2.2	0.0	40.7	49.6
United States	1065	63.8	12.0	2.6	21.0	63.8	0.4	0.2	61.6	66.0
International Avg.	638	43.4	24.3	10.2	20.5	43.4	1.4	0.2	43.8	43.1
Basque Country, Spain	328	20.6	25.6	16.0	36.3	20.6	1.5	0.0	17.3	24.1
British Columbia, Canada	603	72.8	12.1	5.7	8.7	72.8	0.5	0.2	72.7	73.0
Dubai, UAE	450	32.8	16.4	23.8	24.6	32.8	2.0	0.4	34.9	30.8
Massachusetts, US	267	73.2	7.9	3.6	14.1	73.2	1.3	0.0	75.0	71.1
Minnesota, US	256	72.2	10.3	4.3	12.8	72.2	0.5	0.0	76.0	68.1
Ontario, Canada	492	63.9	15.2	5.7	14.5	63.9	0.6	0.0	66.1	61.7
Quebec, Canada	553	41.6	14.1	16.1	27.9	41.6	0.3	0.0	43.8	39.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042011 - S02_04)
 Label: Body temperature in hot/cold climate
 Type: CR Key: -

COUNTRY	N	10	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	709	9.4	4.5	0.2	0.0	34.7	50.8	0.4	9.4	11.4	7.5
Armenia	609	39.6	21.5	20.9	6.4	1.4	9.1	1.2	39.6	41.9	37.1
Australia	591	23.2	17.3	37.9	17.8	1.3	2.5	0.0	23.2	19.4	26.5
Bahrain	611	24.8	20.1	26.3	18.9	5.5	4.4	0.0	24.8	38.4	12.6
Bosnia and Herzegovina	603	14.5	23.8	37.6	14.8	1.8	7.4	0.0	14.5	14.3	14.8
Botswana	590	5.7	21.6	45.1	15.2	7.0	5.3	0.0	5.7	6.5	4.9
Bulgaria	448	21.7	28.9	23.9	17.3	0.8	6.9	0.5	21.7	21.5	21.8
Chinese Taipei	580	29.8	20.4	34.4	14.5	0.4	0.4	0.0	29.8	25.9	33.5
Colombia	693	5.5	23.3	46.3	18.0	0.2	6.2	0.5	5.5	4.8	6.1
Cyprus	630	12.8	19.2	38.6	23.1	1.8	4.2	0.2	12.8	15.7	10.1
Czech Republic	694	34.8	23.1	22.8	17.0	0.0	2.3	0.0	34.8	34.2	35.4
Egypt	936	7.2	25.2	38.6	22.5	1.7	4.5	0.3	7.2	9.6	4.9
El Salvador	574	2.9	39.3	27.0	18.3	1.1	11.4	0.1	2.9	3.6	2.1
England	581	22.6	18.2	44.3	13.1	0.3	1.4	0.1	22.6	20.0	25.5
Georgia	610	13.1	26.7	30.9	14.1	1.6	13.6	0.0	13.1	15.3	11.1
Ghana	749	3.1	19.2	27.2	17.3	7.7	25.5	0.0	3.1	2.6	3.5
Hong Kong SAR	489	26.2	12.4	38.3	20.0	0.8	2.0	0.3	26.2	28.0	24.3
Hungary	574	28.3	21.0	33.2	15.0	0.1	2.1	0.2	28.3	25.2	31.4
Indonesia	602	6.1	27.1	34.2	15.2	12.5	4.5	0.5	6.1	7.3	4.8
Iran, Islamic Rep. of	573	11.9	27.3	44.0	13.7	0.8	2.4	0.0	11.9	8.6	14.9
Israel	464	20.4	20.3	33.9	14.0	4.6	6.1	0.6	20.4	24.8	15.4
Italy	627	20.4	28.5	24.7	20.6	1.4	4.1	0.3	20.4	19.6	21.0
Japan	614	21.7	7.4	28.6	40.8	1.0	0.4	0.0	21.7	22.0	21.4
Jordan	740	18.3	16.5	40.6	20.0	1.5	3.0	0.0	18.3	19.6	17.1
Korea, Rep. of	607	26.8	5.0	29.1	37.1	0.9	1.1	0.0	26.8	22.3	30.6
Kuwait	567	7.1	15.6	0.5	21.0	46.4	7.1	2.3	7.1	7.7	6.5
Lebanon	533	20.4	22.6	27.4	21.6	2.9	4.6	0.5	20.4	21.7	18.9
Lithuania	571	32.7	23.0	30.9	9.7	0.2	3.6	0.0	32.7	31.5	33.9
Malaysia	639	11.8	13.3	46.4	21.8	2.6	3.7	0.3	11.8	10.1	13.6
Malta	662	14.5	21.8	40.0	19.3	0.3	4.1	0.2	14.5	14.2	14.7
Morocco	446	8.0	19.9	37.5	20.1	5.8	8.1	0.5	8.0	7.1	9.0
Norway	651	28.6	22.2	31.0	16.8	0.3	1.2	0.0	28.6	31.0	26.2
Oman	662	4.6	19.3	44.6	25.1	2.4	3.9	0.0	4.6	5.6	3.4
Palestinian Nat'l Auth.	636	9.6	24.0	37.0	21.5	4.3	3.7	0.0	9.6	12.0	7.0
Qatar	1021	4.7	22.7	28.9	37.2	2.0	4.3	0.1	4.7	7.2	2.2
Romania	598	16.4	21.8	40.5	16.0	2.0	3.0	0.3	16.4	18.6	14.2
Russian Federation	638	30.9	28.2	21.3	17.4	0.1	2.1	0.0	30.9	31.7	30.0
Saudi Arabia	609	9.1	29.9	31.5	22.8	4.2	2.3	0.2	9.1	11.6	6.8
Scotland	583	21.7	20.0	41.2	14.9	0.3	1.9	0.1	21.7	22.5	20.8
Serbia	570	26.2	26.9	23.5	13.3	2.2	7.9	0.0	26.2	29.3	23.3
Singapore	657	30.2	13.3	35.8	18.2	0.4	2.0	0.2	30.2	32.7	27.9
Slovenia	581	25.6	29.9	30.7	12.5	0.7	0.6	0.0	25.6	24.9	26.2
Sweden	741	38.0	21.3	17.8	20.3	0.3	2.1	0.1	38.0	39.0	37.0
Syrian Arab Republic	665	7.7	14.2	29.4	13.1	21.9	13.4	0.3	7.7	6.5	9.1
Thailand	786	13.7	18.4	31.3	26.8	0.8	8.9	0.0	13.7	15.2	12.4
Tunisia	586	12.4	20.3	43.5	17.6	1.6	4.5	0.0	12.4	9.8	15.7
Turkey	633	15.9	19.1	45.7	12.7	2.6	3.8	0.1	15.9	15.6	16.2
Ukraine	639	21.9	25.5	28.7	15.8	2.4	5.7	0.0	21.9	22.3	21.5
United States	1065	25.4	24.7	32.5	14.7	0.9	1.6	0.2	25.4	24.2	26.6
International Avg.	637	18.1	21.1	32.4	18.3	4.1	5.8	0.2	18.1	18.7	17.6
Basque Country, Spain	328	22.8	22.1	39.2	13.4	0.9	1.7	0.0	22.8	18.8	26.9
British Columbia, Canada	603	24.0	16.1	35.9	19.1	0.4	4.4	0.2	24.0	23.1	25.0
Dubai, UAE	451	16.4	20.3	26.7	20.6	9.9	5.8	0.4	16.4	15.3	17.3
Massachusetts, US	267	39.9	24.7	23.8	10.4	0.0	1.2	0.0	39.9	37.8	42.4
Minnesota, US	256	36.7	18.5	28.7	15.0	0.5	0.5	0.0	36.7	37.4	36.0
Ontario, Canada	492	35.0	17.3	28.9	16.5	0.7	1.5	0.0	35.0	34.9	35.1
Quebec, Canada	553	28.4	19.3	31.6	17.7	0.5	2.5	0.0	28.4	28.9	27.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042028 - S02_05)
 Label: Which one forms after fertilization
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	49.7	8.5	17.6	49.7	20.7	3.0	0.5	54.2	45.4
Armenia	610	54.7	7.7	9.1	54.7	24.7	2.4	1.4	57.5	51.6
Australia	591	14.5	28.1	11.2	14.5	44.4	1.8	0.0	15.5	13.5
Bahrain	611	22.9	29.7	10.3	22.9	36.1	0.9	0.0	27.2	19.0
Bosnia and Herzegovina	603	43.2	19.1	13.2	43.2	23.2	1.3	0.0	42.3	44.2
Botswana	590	24.7	24.9	17.2	24.7	31.1	2.2	0.0	26.6	22.5
Bulgaria	448	53.3	14.3	13.5	53.3	17.1	1.3	0.5	56.3	50.5
Chinese Taipei	580	81.0	6.1	1.9	81.0	10.6	0.3	0.0	80.1	81.8
Colombia	693	28.9	15.7	19.4	28.9	33.8	1.5	0.7	30.5	27.3
Cyprus	630	20.7	13.7	24.3	20.7	39.7	1.3	0.2	18.3	23.0
Czech Republic	694	9.7	18.3	1.5	9.7	69.5	1.0	0.0	12.5	7.2
Egypt	934	49.2	20.2	7.6	49.2	21.9	0.9	0.3	52.3	46.2
El Salvador	572	21.4	18.2	14.1	21.4	43.1	2.7	0.3	22.2	20.6
England	581	18.0	15.5	6.6	18.0	58.4	1.4	0.1	16.7	19.5
Georgia	610	48.0	25.0	8.3	48.0	18.0	0.7	0.0	47.7	48.2
Ghana	749	44.3	18.1	12.8	44.3	23.5	1.0	0.2	41.4	46.7
Hong Kong SAR	489	82.1	3.8	0.4	82.1	13.4	0.0	0.3	84.5	79.4
Hungary	574	31.2	22.6	10.3	31.2	34.1	0.9	0.8	28.9	33.4
Indonesia	602	15.9	35.2	29.4	15.9	17.1	1.6	0.7	19.3	12.6
Iran, Islamic Rep. of	573	16.3	19.8	15.9	16.3	43.1	4.7	0.1	13.2	19.0
Israel	464	26.4	14.7	13.5	26.4	42.2	2.3	0.8	24.2	29.0
Italy	626	43.4	14.7	4.1	43.4	36.6	0.8	0.3	42.3	44.3
Japan	614	82.0	7.4	6.5	82.0	3.2	0.8	0.0	81.7	82.5
Jordan	740	57.9	12.7	12.3	57.9	16.2	0.9	0.0	60.8	55.2
Korea, Rep. of	607	80.6	2.9	2.4	80.6	13.8	0.3	0.0	82.2	79.2
Kuwait	567	26.1	31.2	12.1	26.1	25.9	2.4	2.3	29.1	22.9
Lebanon	528	17.8	40.6	18.5	17.8	17.9	4.6	0.5	16.1	19.6
Lithuania	570	50.0	27.7	6.0	50.0	15.4	0.9	0.0	54.4	45.3
Malaysia	639	30.5	19.3	30.9	30.5	17.7	1.1	0.5	31.9	29.0
Malta	661	20.0	22.4	19.2	20.0	36.3	1.9	0.2	23.5	16.4
Morocco	434	5.8	44.8	8.6	5.8	39.6	0.7	0.5	5.5	6.1
Norway	651	8.0	58.1	17.5	8.0	12.2	4.2	0.0	5.9	10.1
Oman	662	24.7	33.2	17.5	24.7	21.4	3.2	0.0	26.9	22.4
Palestinian Nat'l Auth.	636	31.6	24.3	16.5	31.6	25.8	1.8	0.0	29.0	34.4
Qatar	1021	21.3	35.0	19.5	21.3	20.8	3.4	0.1	20.9	21.7
Romania	598	14.2	26.1	14.9	14.2	42.5	2.0	0.3	14.0	14.3
Russian Federation	638	51.4	14.1	7.3	51.4	26.9	0.2	0.0	54.3	48.4
Saudi Arabia	609	20.4	24.8	27.6	20.4	24.8	2.3	0.2	19.0	21.7
Scotland	583	9.3	23.8	16.8	9.3	49.0	0.9	0.1	7.7	10.7
Serbia	569	38.1	8.5	8.7	38.1	43.5	1.2	0.0	44.9	31.7
Singapore	657	46.7	9.9	3.5	46.7	39.2	0.5	0.2	50.5	43.2
Slovenia	581	7.7	14.7	3.5	7.7	73.0	1.0	0.0	7.9	7.6
Sweden	741	12.3	36.1	10.7	12.3	39.5	1.3	0.1	10.8	13.8
Syrian Arab Republic	665	68.1	8.7	10.0	68.1	11.9	1.0	0.3	66.8	69.7
Thailand	786	31.4	18.0	34.0	31.4	16.3	0.3	0.0	34.4	28.7
Tunisia	586	15.6	22.0	11.3	15.6	49.1	2.1	0.0	17.6	13.1
Turkey	633	49.8	21.1	11.2	49.8	16.8	1.0	0.1	53.4	46.3
Ukraine	639	22.2	11.7	6.5	22.2	58.1	1.4	0.0	22.9	21.4
United States	1065	25.0	21.7	9.1	25.0	42.4	1.6	0.2	21.2	28.9
International Avg.	638	34.0	20.7	12.8	34.0	30.6	1.6	0.3	34.8	33.2
Basque Country, Spain	328	29.5	5.9	16.1	29.5	46.9	1.7	0.0	32.1	26.7
British Columbia, Canada	603	13.0	25.6	11.3	13.0	47.2	2.7	0.2	14.8	10.9
Dubai, UAE	451	34.2	25.9	12.9	34.2	22.5	4.1	0.4	33.7	34.7
Massachusetts, US	267	29.7	18.1	7.7	29.7	42.4	2.0	0.0	27.5	32.4
Minnesota, US	256	26.3	16.7	8.6	26.3	46.4	2.0	0.0	22.0	30.9
Ontario, Canada	492	14.6	28.6	10.9	14.6	44.8	1.1	0.0	9.5	20.0
Quebec, Canada	553	30.1	15.4	14.3	30.1	38.5	1.8	0.0	29.9	30.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042001 - S02_06)
 Label: Animal with scales and lungs
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	27.8	21.4	27.8	10.7	36.7	2.7	0.6	28.3	27.4
Armenia	604	45.7	32.9	45.7	3.8	13.5	2.7	1.4	43.9	47.6
Australia	591	41.3	45.3	41.3	3.0	9.6	0.8	0.0	34.2	47.5
Bahrain	611	33.5	23.7	33.5	8.4	33.8	0.6	0.0	33.5	33.6
Bosnia and Herzegovina	603	23.0	34.3	23.0	15.6	24.8	2.3	0.0	21.6	24.5
Botswana	592	25.6	36.8	25.6	21.3	13.9	2.1	0.2	28.0	22.9
Bulgaria	448	35.0	46.4	35.0	4.0	13.9	0.3	0.5	35.2	34.9
Chinese Taipei	580	24.7	48.4	24.7	5.7	20.8	0.3	0.0	18.0	31.1
Colombia	693	17.7	66.2	17.7	3.6	11.3	0.2	1.1	14.2	20.9
Cyprus	630	9.6	70.1	9.6	9.5	10.2	0.3	0.2	5.6	13.4
Czech Republic	694	49.2	25.1	49.2	5.5	20.0	0.2	0.0	47.2	51.0
Egypt	933	24.4	38.7	24.4	13.0	23.1	0.6	0.3	22.6	26.1
El Salvador	572	13.4	73.1	13.4	2.1	10.4	0.7	0.3	9.4	17.9
England	581	43.4	41.2	43.4	4.8	10.4	0.1	0.1	43.5	43.2
Georgia	610	35.5	35.9	35.5	13.0	13.5	2.1	0.0	34.6	36.4
Ghana	749	20.3	37.1	20.3	27.6	13.5	1.3	0.2	21.1	19.7
Hong Kong SAR	489	21.3	32.8	21.3	9.5	36.1	0.0	0.3	15.6	27.5
Hungary	574	57.8	13.6	57.8	4.6	22.5	0.7	0.8	58.8	56.8
Indonesia	602	28.9	36.5	28.9	18.3	14.6	1.0	0.7	30.1	27.7
Iran, Islamic Rep. of	573	11.7	77.3	11.7	1.7	9.0	0.1	0.1	13.4	10.2
Israel	464	14.1	52.9	14.1	8.6	21.3	2.3	0.8	12.0	16.4
Italy	626	33.0	25.8	33.0	7.4	33.3	0.1	0.3	29.9	35.5
Japan	614	46.6	39.8	46.6	2.6	10.8	0.2	0.0	41.9	51.7
Jordan	740	22.3	47.7	22.3	5.8	23.6	0.6	0.0	19.6	24.7
Korea, Rep. of	607	23.5	54.6	23.5	8.3	13.7	0.0	0.0	16.4	29.5
Kuwait	567	25.2	26.8	25.2	10.5	33.4	1.9	2.3	28.3	21.8
Lebanon	530	18.2	38.5	18.2	27.8	10.3	4.6	0.5	17.4	19.1
Lithuania	568	41.6	45.1	41.6	4.2	9.0	0.1	0.0	39.3	43.9
Malaysia	639	34.9	32.4	34.9	17.0	14.6	0.7	0.5	34.3	35.5
Malta	662	32.8	42.2	32.8	14.2	10.4	0.3	0.2	29.5	36.0
Morocco	439	17.9	38.3	17.9	9.7	32.3	1.3	0.5	19.4	16.4
Norway	651	32.8	24.4	32.8	13.8	27.8	1.3	0.0	34.2	31.5
Oman	660	23.0	39.0	23.0	10.9	24.7	2.3	0.0	22.0	24.3
Palestinian Nat'l Auth.	636	25.4	35.7	25.4	10.3	27.1	1.5	0.0	23.7	27.2
Qatar	1021	23.2	35.5	23.2	17.7	22.3	1.2	0.1	23.5	22.9
Romania	598	30.0	54.1	30.0	4.8	9.9	1.0	0.3	28.1	31.9
Russian Federation	638	36.6	36.1	36.6	4.3	22.1	0.9	0.0	34.3	39.1
Saudi Arabia	608	20.1	47.7	20.1	8.3	23.6	0.1	0.2	20.0	20.2
Scotland	583	34.0	46.6	34.0	4.6	14.3	0.4	0.1	29.0	38.7
Serbia	568	21.0	40.0	21.0	7.8	30.5	0.7	0.0	20.6	21.3
Singapore	657	40.2	27.7	40.2	10.2	21.5	0.3	0.2	37.7	42.4
Slovenia	581	40.1	29.8	40.1	8.7	20.8	0.6	0.0	33.8	46.2
Sweden	741	18.9	65.5	18.9	5.4	9.7	0.4	0.1	15.6	22.0
Syrian Arab Republic	665	29.0	31.7	29.0	6.3	32.3	0.5	0.3	28.1	29.9
Thailand	786	22.6	54.6	22.6	6.0	16.6	0.2	0.0	20.6	24.5
Tunisia	584	15.9	39.5	15.9	7.9	35.7	0.9	0.0	9.0	24.3
Turkey	633	12.6	56.7	12.6	8.4	21.9	0.3	0.1	11.2	13.9
Ukraine	639	28.1	51.6	28.1	3.2	16.2	0.9	0.0	28.1	28.1
United States	1065	42.7	38.6	42.7	4.3	13.1	1.0	0.2	37.4	48.1
International Avg.	638	28.5	41.5	28.5	9.1	19.7	0.9	0.3	26.6	30.4
Basque Country, Spain	328	29.8	37.0	29.8	5.2	26.3	1.7	0.0	25.4	34.5
British Columbia, Canada	603	38.7	39.2	38.7	5.8	14.8	1.3	0.2	34.4	43.9
Dubai, UAE	450	29.1	34.8	29.1	11.9	21.1	2.6	0.4	26.5	31.6
Massachusetts, US	267	46.1	32.3	46.1	5.2	13.8	2.6	0.0	44.0	48.8
Minnesota, US	256	44.3	36.9	44.3	3.5	14.4	1.0	0.0	40.2	48.6
Ontario, Canada	492	40.8	41.2	40.8	4.6	12.9	0.4	0.0	37.6	44.2
Quebec, Canada	553	38.1	42.2	38.1	4.4	15.1	0.3	0.0	38.2	38.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042276 - S02_07)
 Label: Color of an object and light waves
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	37.5	13.1	23.8	37.5	18.5	6.1	1.0	39.3	35.8
Armenia	609	50.7	8.6	26.0	50.7	5.8	7.3	1.6	51.9	49.4
Australia	591	51.4	7.6	23.4	51.4	15.7	1.9	0.0	45.7	56.4
Bahrain	611	55.0	9.5	27.4	55.0	6.6	1.4	0.0	58.9	51.4
Bosnia and Herzegovina	603	28.0	20.5	25.3	28.0	20.3	5.9	0.0	29.8	26.2
Botswana	592	36.3	18.1	19.1	36.3	23.2	2.9	0.5	35.2	37.6
Bulgaria	448	40.8	14.3	28.6	40.8	12.5	3.2	0.5	48.7	33.7
Chinese Taipei	580	60.2	8.1	19.7	60.2	11.6	0.5	0.0	57.3	62.9
Colombia	693	59.7	9.8	13.6	59.7	15.1	0.8	1.1	60.1	59.3
Cyprus	630	33.9	12.6	24.4	33.9	27.2	1.6	0.2	33.5	34.3
Czech Republic	694	48.6	14.7	24.8	48.6	10.3	1.7	0.0	51.3	46.1
Egypt	929	42.8	10.8	27.6	42.8	17.8	0.7	0.3	51.9	34.0
El Salvador	573	43.9	14.3	18.6	43.9	20.7	2.2	0.3	45.1	42.5
England	581	56.5	9.1	29.0	56.5	5.0	0.2	0.1	56.0	57.0
Georgia	610	53.2	15.3	18.6	53.2	10.4	2.3	0.1	54.6	51.9
Ghana	749	38.4	20.4	22.2	38.4	16.7	1.8	0.4	32.8	43.0
Hong Kong SAR	489	54.7	11.9	24.9	54.7	7.7	0.6	0.3	53.7	55.7
Hungary	574	57.4	10.8	18.4	57.4	11.0	1.6	0.8	55.2	59.6
Indonesia	602	48.2	20.1	13.6	48.2	16.3	1.1	0.7	52.1	44.3
Iran, Islamic Rep. of	573	37.1	8.4	28.8	37.1	23.5	2.0	0.1	34.9	39.1
Israel	464	41.3	14.8	19.1	41.3	17.8	6.2	0.8	37.1	46.2
Italy	627	51.5	11.0	26.4	51.5	9.3	1.4	0.3	51.0	51.9
Japan	614	42.9	7.7	36.2	42.9	12.7	0.4	0.0	41.8	44.3
Jordan	740	49.3	10.5	29.7	49.3	8.7	1.7	0.0	52.0	46.8
Korea, Rep. of	607	76.5	3.3	17.6	76.5	2.4	0.2	0.0	73.4	79.1
Kuwait	567	40.0	16.4	23.5	40.0	13.6	3.7	2.8	41.7	38.2
Lebanon	527	39.1	14.9	29.6	39.1	9.8	6.0	0.6	39.7	38.3
Lithuania	571	55.8	5.3	26.5	55.8	11.2	1.2	0.0	59.2	52.2
Malaysia	639	52.6	13.8	15.3	52.6	16.8	0.9	0.6	57.6	47.2
Malta	662	55.8	12.2	19.8	55.8	10.6	1.5	0.2	57.9	53.7
Morocco	440	42.9	11.6	20.8	42.9	18.9	5.2	0.5	42.2	43.8
Norway	651	56.2	11.6	19.5	56.2	11.4	1.4	0.0	55.0	57.4
Oman	660	42.3	14.4	23.1	42.3	15.9	4.3	0.0	45.0	39.2
Palestinian Nat'l Auth.	636	43.4	12.7	24.5	43.4	17.6	1.7	0.0	47.4	39.3
Qatar	1021	35.9	16.4	26.5	35.9	19.3	1.8	0.1	39.0	32.8
Romania	598	47.4	13.9	17.4	47.4	19.2	1.2	0.8	50.1	44.6
Russian Federation	638	38.2	12.6	35.8	38.2	10.6	2.7	0.0	38.9	37.5
Saudi Arabia	609	38.1	21.0	22.6	38.1	16.7	1.4	0.2	43.0	33.6
Scotland	583	55.7	7.8	24.9	55.7	10.7	0.8	0.1	54.6	56.8
Serbia	570	35.1	16.1	25.1	35.1	18.9	4.8	0.0	32.4	37.6
Singapore	657	70.9	6.5	18.2	70.9	3.8	0.4	0.2	70.2	71.4
Slovenia	581	49.3	9.3	23.9	49.3	16.9	0.6	0.0	50.5	48.2
Sweden	741	58.5	6.5	19.2	58.5	13.4	2.3	0.1	59.1	58.0
Syrian Arab Republic	665	44.4	15.9	24.8	44.4	12.8	1.8	0.3	45.0	43.6
Thailand	785	41.8	15.9	24.2	41.8	16.7	1.4	0.0	46.1	37.7
Tunisia	586	57.3	10.1	14.5	57.3	13.6	4.5	0.0	53.6	61.9
Turkey	633	41.0	14.2	19.1	41.0	23.3	2.4	0.1	41.0	41.0
Ukraine	639	39.4	16.8	24.6	39.4	16.1	3.1	0.0	43.6	34.6
United States	1065	52.3	8.9	29.5	52.3	7.8	1.3	0.2	49.2	55.4
International Avg.	638	47.5	12.5	23.3	47.5	14.1	2.3	0.3	48.3	46.8
Basque Country, Spain	328	56.5	6.3	26.7	56.5	9.3	1.3	0.0	52.7	60.5
British Columbia, Canada	603	57.2	5.8	30.4	57.2	4.8	1.6	0.2	56.9	57.4
Dubai, UAE	450	44.3	16.9	24.6	44.3	10.5	3.1	0.7	47.7	41.1
Massachusetts, US	267	57.5	6.5	25.7	57.5	7.1	3.1	0.0	55.2	60.3
Minnesota, US	256	50.8	11.3	26.5	50.8	10.1	1.2	0.0	45.2	56.8
Ontario, Canada	492	49.7	8.5	32.6	49.7	8.1	1.2	0.0	45.9	53.5
Quebec, Canada	553	52.4	5.3	28.0	52.4	13.1	1.2	0.0	51.6	53.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S042279 - S02_08)
 Label: Sound waves of large/small amplitude
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	50.0	7.7	50.0	16.1	19.0	5.8	1.4	51.1	49.1
Armenia	609	46.1	13.1	46.1	9.1	11.2	17.8	2.6	49.9	42.1
Australia	591	62.2	6.4	62.2	9.1	20.4	1.9	0.0	58.5	65.4
Bahrain	611	56.5	11.8	56.5	11.2	19.0	1.5	0.1	55.0	57.8
Bosnia and Herzegovina	603	49.3	12.1	49.3	11.8	15.7	11.3	0.0	49.6	48.9
Botswana	592	48.6	15.7	48.6	16.6	16.9	1.8	0.5	47.8	49.5
Bulgaria	448	55.2	10.6	55.2	13.6	15.7	3.8	1.2	57.2	53.4
Chinese Taipei	580	58.4	5.4	58.4	9.4	26.4	0.4	0.0	55.1	61.5
Colombia	693	46.2	14.9	46.2	17.0	19.0	1.8	1.1	45.8	46.6
Cyprus	630	47.6	12.0	47.6	18.8	18.8	2.5	0.2	50.9	44.5
Czech Republic	694	47.2	11.9	47.2	11.0	22.6	7.3	0.0	46.3	48.0
Egypt	930	47.9	11.3	47.9	17.0	22.4	1.0	0.3	51.6	44.4
El Salvador	573	40.6	9.0	40.6	17.1	30.1	2.9	0.3	42.1	38.9
England	581	64.2	8.2	64.2	8.2	18.4	1.0	0.1	61.8	66.7
Georgia	610	48.0	18.9	48.0	10.3	11.5	11.1	0.2	47.2	48.8
Ghana	749	41.4	18.7	41.4	20.1	16.9	2.3	0.6	37.6	44.5
Hong Kong SAR	489	46.5	6.6	46.5	15.0	31.4	0.0	0.5	44.5	48.6
Hungary	574	49.7	8.3	49.7	12.7	23.0	5.5	0.8	54.1	45.4
Indonesia	602	51.9	14.4	51.9	10.1	19.8	3.1	0.7	51.6	52.2
Iran, Islamic Rep. of	573	52.1	14.5	52.1	13.0	17.2	2.6	0.6	49.4	54.4
Israel	464	53.7	9.7	53.7	13.8	15.8	5.9	1.1	55.7	51.5
Italy	625	47.2	15.1	47.2	14.3	18.5	4.6	0.3	48.3	46.3
Japan	614	72.1	6.6	72.1	7.7	13.3	0.4	0.0	72.4	71.7
Jordan	740	57.4	14.9	57.4	10.9	15.8	0.9	0.2	55.7	58.9
Korea, Rep. of	607	76.3	3.7	76.3	4.7	14.9	0.4	0.0	79.2	73.9
Kuwait	567	46.4	8.6	46.4	18.2	19.7	3.9	3.2	48.1	44.5
Lebanon	525	39.6	10.4	39.6	19.9	17.8	11.6	0.7	38.2	41.1
Lithuania	571	64.1	10.7	64.1	8.2	14.5	2.6	0.0	68.2	59.8
Malaysia	639	66.4	10.9	66.4	7.7	13.1	1.3	0.6	65.1	67.8
Malta	661	55.9	9.7	55.9	14.3	17.7	2.2	0.2	61.8	49.9
Morocco	445	54.4	11.6	54.4	13.7	15.0	4.8	0.6	54.4	54.4
Norway	651	53.2	13.7	53.2	11.1	19.2	2.8	0.0	56.7	49.7
Oman	659	58.7	11.6	58.7	15.1	12.1	2.4	0.0	63.7	53.2
Palestinian Nat'l Auth.	636	51.7	13.3	51.7	17.6	16.1	1.3	0.0	54.0	49.3
Qatar	1021	40.2	15.7	40.2	20.0	22.1	1.8	0.2	46.1	34.2
Romania	598	54.4	10.5	54.4	9.8	19.8	4.7	0.8	56.4	52.4
Russian Federation	638	50.6	11.1	50.6	13.5	19.2	5.3	0.2	53.1	48.0
Saudi Arabia	608	53.9	8.4	53.9	16.8	20.5	0.3	0.2	54.1	53.8
Scotland	583	57.1	8.2	57.1	8.3	24.0	2.3	0.1	50.7	63.1
Serbia	570	52.3	13.1	52.3	14.8	11.5	8.3	0.0	51.5	53.1
Singapore	657	69.7	8.1	69.7	8.1	12.6	1.2	0.2	70.5	69.0
Slovenia	581	57.0	7.0	57.0	14.0	17.6	4.3	0.0	56.2	57.7
Sweden	740	50.3	12.8	50.3	14.7	18.0	3.8	0.3	50.3	50.3
Syrian Arab Republic	665	60.4	7.8	60.4	13.9	15.6	1.9	0.3	59.0	62.0
Thailand	786	44.6	12.5	44.6	19.2	20.0	3.5	0.1	42.0	47.1
Tunisia	584	62.5	4.1	62.5	10.2	18.7	4.6	0.0	61.6	63.6
Turkey	633	55.2	8.7	55.2	9.9	21.3	4.8	0.1	54.9	55.5
Ukraine	639	58.8	7.7	58.8	9.3	18.3	5.7	0.1	58.5	59.0
United States	1065	63.1	10.3	63.1	8.7	15.9	1.6	0.2	59.6	66.7
International Avg.	638	53.8	10.8	53.8	13.0	18.3	3.8	0.4	54.1	53.4
Basque Country, Spain	328	49.4	10.3	49.4	11.0	26.9	2.4	0.0	46.6	52.3
British Columbia, Canada	603	60.5	15.4	60.5	7.7	13.7	2.5	0.2	55.8	66.1
Dubai, UAE	451	62.8	9.0	62.8	9.6	15.2	2.7	0.6	59.3	66.0
Massachusetts, US	267	65.3	9.3	65.3	6.6	15.1	3.3	0.4	66.7	63.7
Minnesota, US	256	70.6	11.8	70.6	6.6	9.5	1.5	0.0	65.8	75.7
Ontario, Canada	492	58.1	8.8	58.1	10.9	20.6	1.6	0.0	57.9	58.3
Quebec, Canada	553	62.4	8.4	62.4	8.8	19.1	1.3	0.0	60.1	64.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Reasoning (S042083 - S02_09)
 Label: Separation of salt/sand/leaves
 Type: CR Key: -

COUNTRY	N	20	10	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	762	0.3	0.9	62.1	35.3	1.4	1.1	0.3	0.4	0.2
Armenia	609	14.4	15.8	25.8	39.9	4.1	30.3	14.4	13.5	15.4
Australia	591	18.7	15.1	34.0	31.8	0.4	33.8	18.7	20.9	16.8
Bahrain	611	5.6	34.3	36.6	23.4	0.1	39.9	5.6	6.3	5.0
Bosnia and Herzegovina	603	3.5	9.1	31.0	56.2	0.2	12.6	3.5	2.6	4.4
Botswana	591	0.7	4.2	78.1	16.5	0.5	4.9	0.7	0.9	0.6
Bulgaria	448	17.4	11.4	22.1	47.8	1.4	28.7	17.4	14.9	19.7
Chinese Taipei	580	33.7	23.1	17.6	25.6	0.0	56.8	33.7	29.0	38.2
Colombia	693	4.4	9.0	51.7	33.6	1.3	13.4	4.4	1.9	6.8
Cyprus	630	5.7	13.9	30.5	49.4	0.6	19.5	5.7	6.4	5.0
Czech Republic	694	17.8	16.2	29.1	36.9	0.0	34.0	17.8	18.1	17.6
Egypt	935	6.6	19.2	55.6	18.3	0.4	25.8	6.6	7.0	6.3
El Salvador	574	0.1	1.5	59.0	39.0	0.3	1.6	0.1	0.0	0.3
England	581	22.9	22.7	37.4	16.9	0.1	45.6	22.9	25.1	20.5
Georgia	610	6.6	8.4	29.4	55.4	0.2	15.0	6.6	4.3	8.7
Ghana	749	4.4	9.3	56.0	29.7	0.6	13.8	4.4	4.6	4.3
Hong Kong SAR	489	14.6	29.2	16.8	38.9	0.5	43.8	14.6	15.3	13.8
Hungary	574	12.9	14.1	35.5	36.5	1.0	27.0	12.9	12.8	12.9
Indonesia	602	1.0	9.8	71.7	16.5	1.1	10.7	1.0	0.5	1.4
Iran, Islamic Rep. of	573	5.4	26.1	41.1	26.7	0.6	31.6	5.4	6.1	4.8
Israel	464	5.2	12.2	39.7	41.7	1.1	17.4	5.2	5.4	5.1
Italy	627	2.7	10.5	30.3	56.1	0.3	13.2	2.7	2.1	3.3
Japan	614	21.5	26.3	31.9	20.3	0.0	47.7	21.5	20.8	22.2
Jordan	740	8.9	29.8	49.7	11.4	0.2	38.7	8.9	11.0	6.9
Korea, Rep. of	607	42.9	17.3	23.7	16.0	0.0	60.2	42.9	42.7	43.2
Kuwait	567	4.7	11.4	35.3	45.5	3.2	16.0	4.7	6.4	2.8
Lebanon	532	10.6	7.6	31.9	49.1	0.7	18.3	10.6	10.5	10.8
Lithuania	571	24.0	12.5	29.4	34.1	0.0	36.5	24.0	24.0	24.0
Malaysia	638	5.5	10.6	56.9	26.1	0.8	16.1	5.5	5.1	5.8
Malta	661	14.9	13.0	36.4	35.5	0.2	27.9	14.9	12.5	17.4
Morocco	447	1.6	3.9	47.4	46.2	0.8	5.5	1.6	0.7	2.6
Norway	651	3.1	5.4	51.0	40.5	0.0	8.5	3.1	4.0	2.3
Oman	662	5.3	16.7	58.0	20.0	0.0	22.0	5.3	7.6	2.8
Palestinian Nat'l Auth.	632	7.5	21.5	56.0	14.9	0.2	29.0	7.5	9.0	5.9
Qatar	1021	2.0	7.5	51.2	39.1	0.2	9.5	2.0	2.3	1.8
Romania	598	12.1	11.5	38.2	37.5	0.8	23.6	12.1	12.8	11.4
Russian Federation	638	33.9	13.6	19.6	32.7	0.2	47.5	33.9	34.4	33.5
Saudi Arabia	609	1.8	9.3	59.2	29.5	0.2	11.1	1.8	2.1	1.5
Scotland	583	11.2	14.7	36.6	37.4	0.1	25.9	11.2	10.1	12.3
Serbia	570	1.6	5.1	25.3	67.9	0.0	6.7	1.6	1.5	1.8
Singapore	657	37.9	12.5	33.7	15.8	0.2	50.4	37.9	39.2	36.7
Slovenia	581	23.2	21.7	38.7	16.3	0.0	45.0	23.2	21.4	25.1
Sweden	741	12.5	10.4	37.4	39.5	0.3	22.9	12.5	11.6	13.3
Syrian Arab Republic	665	24.9	34.2	26.4	14.2	0.3	59.1	24.9	27.6	21.8
Thailand	786	8.2	12.6	53.3	25.8	0.1	20.8	8.2	8.9	7.5
Tunisia	584	5.8	16.7	46.6	30.3	0.6	22.5	5.8	4.3	7.6
Turkey	633	8.9	14.8	49.7	26.5	0.1	23.7	8.9	9.6	8.3
Ukraine	639	20.3	22.1	24.7	32.8	0.1	42.4	20.3	18.5	22.4
United States	1065	4.8	17.5	53.2	24.3	0.2	22.2	4.8	4.3	5.2
International Avg.	638	11.5	14.6	40.7	32.7	0.5	26.1	11.5	11.4	11.6
Basque Country, Spain	328	5.8	7.3	54.8	32.0	0.0	13.2	5.8	2.5	9.3
British Columbia, Canada	603	8.0	19.1	37.3	35.4	0.2	27.1	8.0	6.0	10.4
Dubai, UAE	451	10.3	17.8	37.3	34.0	0.6	28.1	10.3	13.5	7.2
Massachusetts, US	267	8.7	19.9	49.8	21.2	0.4	28.5	8.7	9.0	8.3
Minnesota, US	256	5.2	20.1	57.4	17.3	0.0	25.3	5.2	1.9	8.7
Ontario, Canada	492	6.8	24.1	33.8	35.3	0.0	30.9	6.8	3.8	10.0
Quebec, Canada	553	11.7	23.2	31.8	33.3	0.0	34.9	11.7	9.5	14.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S042106 - S02_10)
 Label: Mass for Figure 2
 Type: CR Key: -

COUNTRY	N	10	11	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	768	6.8	0.3	30.7	22.6	15.0	20.5	2.7	1.4	7.2	10.1	4.4
Armenia	609	24.3	3.3	23.6	18.8	13.2	1.7	9.9	5.1	27.7	29.7	25.6
Australia	591	25.1	0.3	11.5	44.2	16.2	0.5	1.8	0.4	25.4	26.3	24.6
Bahrain	611	16.9	1.1	18.9	40.1	17.7	2.0	3.0	0.4	18.0	26.7	10.1
Bosnia and Herzegovina	603	16.8	0.3	25.5	30.2	15.7	5.5	5.7	0.2	17.2	17.6	16.7
Botswana	591	1.2	0.0	11.3	61.0	15.7	7.0	2.8	1.0	1.2	1.1	1.4
Bulgaria	448	17.7	1.7	29.9	27.6	13.9	0.3	6.6	2.3	19.4	25.7	13.7
Chinese Taipei	580	49.5	1.1	14.3	25.2	9.1	0.4	0.4	0.0	50.6	51.1	50.1
Colombia	693	16.4	0.0	14.4	47.0	15.7	0.2	4.3	1.9	16.5	14.2	18.6
Cyprus	630	23.7	0.0	18.5	35.4	17.9	0.0	3.9	0.6	23.7	27.9	19.8
Czech Republic	694	43.2	0.3	14.6	28.0	11.4	0.8	1.8	0.0	43.5	45.7	41.4
Egypt	936	7.2	0.8	20.6	43.9	23.1	1.8	2.3	0.3	8.0	10.4	5.7
El Salvador	574	9.4	0.0	20.0	45.2	18.1	0.5	5.8	1.0	9.4	8.9	9.9
England	581	26.8	1.0	21.7	34.1	14.5	0.5	1.4	0.1	27.7	33.3	21.7
Georgia	610	4.0	0.0	20.9	33.2	20.4	0.5	20.3	0.6	4.0	3.7	4.3
Ghana	749	2.2	0.5	14.5	37.8	20.2	5.8	17.7	1.2	2.7	2.2	3.2
Hong Kong SAR	489	29.5	0.6	16.9	37.7	13.3	0.2	1.3	0.5	30.2	32.6	27.5
Hungary	574	38.5	0.6	13.7	27.2	15.9	0.9	2.0	1.2	39.1	43.0	35.4
Indonesia	602	5.1	0.9	13.8	46.4	13.0	11.8	7.4	1.6	6.0	6.5	5.5
Iran, Islamic Rep. of	573	13.3	0.2	17.6	37.4	27.0	0.2	3.8	0.6	13.5	14.0	13.1
Israel	464	33.0	0.0	23.0	21.7	14.8	2.4	3.6	1.6	33.0	38.2	27.1
Italy	627	45.8	0.2	7.5	21.6	17.7	3.5	3.4	0.3	46.0	47.6	44.6
Japan	614	61.6	3.7	9.4	14.9	7.3	2.4	0.8	0.0	65.3	66.4	64.0
Jordan	740	19.3	0.1	22.0	33.4	22.4	1.0	1.6	0.2	19.4	24.4	14.9
Korea, Rep. of	607	50.9	0.0	10.9	23.9	12.8	0.7	0.8	0.0	50.9	51.2	50.7
Kuwait	567	5.5	1.2	23.2	39.5	19.4	3.2	4.2	3.8	6.7	8.5	4.8
Lebanon	533	17.6	0.0	17.3	48.3	10.3	1.8	3.5	1.2	17.6	15.3	20.1
Lithuania	571	36.6	0.0	12.0	33.4	14.3	0.4	3.1	0.2	36.6	43.9	29.0
Malaysia	638	14.2	0.0	22.1	42.5	16.1	1.5	2.6	1.0	14.2	14.9	13.4
Malta	662	26.4	0.5	14.2	40.4	16.4	0.0	2.0	0.2	26.8	28.7	24.9
Morocco	447	14.4	0.2	24.1	36.8	10.9	5.8	6.0	1.7	14.6	18.7	10.2
Norway	651	24.9	0.3	22.8	26.8	22.3	0.5	2.2	0.1	25.3	33.5	17.3
Oman	662	9.1	0.1	21.2	43.8	22.0	1.7	1.5	0.6	9.2	12.6	5.5
Palestinian Nat'l Auth.	633	10.4	0.2	25.0	39.0	16.1	5.5	3.5	0.5	10.5	14.2	6.7
Qatar	1021	3.0	0.1	37.3	34.5	20.5	1.6	2.7	0.4	3.1	4.0	2.1
Romania	598	21.4	0.1	19.5	35.5	17.9	0.7	4.1	0.8	21.5	28.6	14.3
Russian Federation	638	38.5	0.0	22.8	19.9	15.7	0.1	2.8	0.2	38.5	39.8	37.2
Saudi Arabia	609	5.3	0.0	28.1	41.5	20.7	2.5	1.8	0.3	5.3	8.6	2.2
Scotland	583	22.0	0.1	15.9	41.1	17.9	0.8	2.0	0.1	22.2	22.6	21.8
Serbia	570	19.9	0.3	27.7	26.6	16.2	2.4	6.7	0.3	20.2	21.2	19.3
Singapore	657	36.2	0.5	13.1	35.6	13.5	0.2	0.5	0.3	36.8	40.1	33.7
Slovenia	581	38.8	0.6	17.6	29.1	12.6	0.6	0.7	0.0	39.4	36.9	41.8
Sweden	741	38.0	0.4	14.1	28.5	15.0	0.9	2.7	0.3	38.5	40.9	36.2
Syrian Arab Republic	665	12.2	1.0	23.6	31.8	12.3	15.8	2.9	0.5	13.2	13.3	13.1
Thailand	786	24.3	0.4	15.1	31.9	19.4	0.9	7.5	0.4	24.7	26.8	22.7
Tunisia	586	21.9	0.0	18.3	39.0	17.5	0.6	1.1	1.7	21.9	21.0	23.1
Turkey	633	15.9	0.1	19.4	32.8	24.5	3.0	4.2	0.1	16.0	18.2	13.9
Ukraine	639	28.5	0.2	17.3	34.1	14.5	0.8	3.9	0.8	28.6	29.9	27.1
United States	1065	24.2	0.1	11.1	48.5	14.7	0.3	0.9	0.2	24.2	25.4	23.1
International Avg.	639	22.4	0.5	18.9	34.7	16.4	2.5	3.8	0.8	22.9	25.0	20.8
Basque Country, Spain	328	21.8	0.0	32.2	34.1	10.7	0.0	1.2	0.0	21.8	23.6	19.9
British Columbia, Canada	603	31.5	0.3	11.0	38.5	15.6	0.6	2.2	0.4	31.7	31.0	32.5
Dubai, UAE	451	19.2	0.2	22.2	34.3	17.1	2.5	3.9	0.6	19.3	20.8	18.0
Massachusetts, US	267	43.2	0.7	5.1	39.1	9.7	0.5	1.3	0.4	43.8	44.2	43.4
Minnesota, US	256	32.9	0.0	6.6	45.5	13.9	0.6	0.5	0.0	32.9	31.3	34.5
Ontario, Canada	492	38.8	0.0	6.6	36.9	15.1	0.5	2.1	0.0	38.8	41.1	36.5
Quebec, Canada	553	36.1	0.1	11.8	39.0	11.1	0.3	1.6	0.0	36.2	40.2	32.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S042071 - S02_11)
 Label: Correct model of atomic particles
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	22.0	27.3	15.8	22.0	15.9	17.4	1.6	17.4	26.4
Armenia	608	58.6	13.3	2.8	58.6	6.6	13.0	5.7	58.3	58.9
Australia	591	22.6	45.2	10.5	22.6	16.6	4.7	0.5	19.7	25.1
Bahrain	611	55.1	19.6	7.8	55.1	13.2	4.0	0.4	68.0	43.4
Bosnia and Herzegovina	603	64.9	14.4	6.1	64.9	8.4	6.1	0.2	66.4	63.3
Botswana	592	10.8	46.6	14.1	10.8	21.7	5.7	1.2	9.9	11.7
Bulgaria	448	57.4	10.4	7.5	57.4	15.4	6.8	2.4	55.4	59.2
Chinese Taipei	580	55.3	20.4	9.5	55.3	13.7	1.1	0.0	50.2	60.2
Colombia	693	27.4	41.5	10.2	27.4	14.9	3.4	2.6	24.3	30.4
Cyprus	630	53.6	14.6	14.8	53.6	11.8	4.4	0.8	58.3	49.1
Czech Republic	694	63.2	13.1	7.9	63.2	12.3	3.3	0.1	64.4	62.1
Egypt	932	50.8	18.8	13.0	50.8	13.5	3.5	0.4	51.5	50.2
El Salvador	574	17.2	38.3	15.4	17.2	19.9	8.1	1.0	17.5	16.9
England	581	22.2	49.1	8.3	22.2	14.1	6.3	0.1	22.6	21.7
Georgia	610	46.5	24.4	10.9	46.5	10.7	6.7	0.8	46.8	46.2
Ghana	749	39.8	25.6	14.7	39.8	11.7	5.9	2.2	35.6	43.3
Hong Kong SAR	489	22.2	37.5	13.6	22.2	23.4	2.8	0.5	21.2	23.3
Hungary	574	54.0	18.9	6.2	54.0	17.1	2.5	1.2	55.3	52.8
Indonesia	602	15.0	46.3	11.1	15.0	19.7	6.0	1.9	17.8	12.2
Iran, Islamic Rep. of	573	65.9	12.3	6.9	65.9	11.0	3.3	0.6	73.0	59.6
Israel	464	45.1	20.8	10.5	45.1	14.3	7.2	2.2	47.5	42.3
Italy	625	36.2	32.6	9.0	36.2	15.2	6.6	0.3	31.7	39.8
Japan	614	24.3	39.6	10.5	24.3	22.4	2.9	0.3	18.5	30.7
Jordan	740	63.2	13.4	8.8	63.2	12.4	1.7	0.5	69.5	57.6
Korea, Rep. of	607	44.4	32.3	8.0	44.4	14.8	0.6	0.0	48.5	40.9
Kuwait	567	46.7	18.4	12.1	46.7	11.9	7.0	3.8	58.1	34.4
Lebanon	528	57.5	17.2	6.5	57.5	10.6	7.0	1.2	57.9	57.1
Lithuania	569	43.4	26.9	7.0	43.4	19.0	3.5	0.2	44.0	42.7
Malaysia	639	14.5	46.5	11.6	14.5	22.2	3.7	1.6	12.8	16.4
Malta	662	31.0	32.5	10.9	31.0	16.1	9.1	0.3	27.9	34.0
Morocco	433	18.8	27.9	13.2	18.8	20.9	17.4	1.7	16.9	20.8
Norway	651	21.5	30.4	12.1	21.5	24.5	11.5	0.1	20.1	22.8
Oman	662	40.7	28.2	13.5	40.7	14.1	2.9	0.6	46.0	34.7
Palestinian Nat'l Auth.	636	43.3	19.2	14.6	43.3	18.4	3.5	0.9	49.9	36.6
Qatar	1021	37.6	18.4	11.2	37.6	20.0	12.4	0.4	49.1	26.0
Romania	598	47.5	26.7	7.2	47.5	12.8	4.9	0.8	50.8	44.2
Russian Federation	638	42.6	26.5	8.4	42.6	14.6	7.7	0.2	44.7	40.5
Saudi Arabia	607	25.9	36.5	13.5	25.9	19.7	4.2	0.3	25.3	26.4
Scotland	583	21.7	49.4	9.9	21.7	14.1	4.7	0.2	22.6	20.9
Serbia	569	54.3	20.7	7.6	54.3	10.1	7.1	0.3	55.9	52.8
Singapore	657	61.3	18.6	9.2	61.3	8.1	2.4	0.3	65.4	57.6
Slovenia	581	67.5	14.5	5.2	67.5	9.8	3.0	0.0	68.4	66.7
Sweden	741	29.6	32.8	8.4	29.6	19.3	9.3	0.6	26.5	32.4
Syrian Arab Republic	665	32.1	24.2	14.8	32.1	20.5	7.6	0.8	31.1	33.1
Thailand	785	25.6	33.5	17.9	25.6	16.3	6.0	0.7	26.0	25.4
Tunisia	586	23.7	29.9	13.4	23.7	19.9	11.5	1.7	23.9	23.4
Turkey	633	48.4	25.2	9.6	48.4	13.9	2.7	0.1	48.2	48.6
Ukraine	639	31.7	33.6	10.6	31.7	17.8	5.5	0.8	35.8	27.2
United States	1065	40.3	37.9	8.5	40.3	10.9	2.2	0.2	37.2	43.4
International Avg.	638	39.7	27.6	10.4	39.7	15.4	5.9	0.9	40.7	38.7
Basque Country, Spain	328	32.0	37.4	8.4	32.0	16.7	5.0	0.4	32.0	32.0
British Columbia, Canada	603	14.8	54.5	8.9	14.8	15.7	5.7	0.4	13.8	16.0
Dubai, UAE	451	55.2	24.4	6.5	55.2	10.2	3.1	0.6	63.1	47.7
Massachusetts, US	267	52.0	31.9	6.0	52.0	6.4	3.0	0.8	47.9	56.9
Minnesota, US	256	29.8	47.5	9.0	29.8	12.3	1.4	0.0	29.6	29.9
Ontario, Canada	492	14.1	53.2	10.5	14.1	18.1	3.9	0.3	11.8	16.6
Quebec, Canada	553	19.7	46.0	10.7	19.7	17.8	5.7	0.1	18.8	20.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S042101 - S02_12)
 Label: Type of change in the milk
 Type: CR Key: -

COUNTRY	N	10	11	12	13	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	755	1.1	0.2	0.1	6.2	0.7	51.3	18.0	17.6	2.3	2.4	8.4	9.7	7.1
Armenia	610	21.7	1.1	6.0	0.5	1.4	46.0	9.5	0.6	7.5	5.7	30.7	26.9	34.8
Australia	591	2.5	3.8	2.6	1.6	12.0	50.3	22.0	2.0	2.4	0.7	22.6	19.8	25.1
Bahrain	611	4.2	4.1	1.3	0.7	4.5	47.9	30.8	1.7	3.9	1.0	14.8	18.9	11.0
Bosnia and Herzegovina	602	9.5	1.0	0.3	0.3	4.2	64.7	11.1	4.8	3.8	0.3	15.3	16.0	14.6
Botswana	591	0.6	1.2	0.5	0.2	1.8	68.7	15.4	7.1	3.0	1.5	4.4	3.3	5.6
Bulgaria	448	9.6	3.4	0.4	1.5	3.7	62.4	12.2	0.5	3.9	2.4	18.6	18.9	18.4
Chinese Taipei	580	32.8	8.2	0.4	3.8	8.4	19.9	26.2	0.0	0.2	0.0	53.6	52.7	54.6
Colombia	693	0.6	3.0	0.1	1.1	3.3	50.0	33.6	0.6	3.9	3.7	8.2	8.1	8.2
Cyprus	630	0.3	3.0	0.2	3.7	9.0	44.1	35.5	0.3	3.0	1.0	16.2	21.5	11.3
Czech Republic	694	23.3	7.5	1.1	1.0	6.3	50.9	8.1	0.0	1.6	0.1	39.2	41.0	37.6
Egypt	936	3.6	1.0	0.2	0.2	0.2	55.5	34.3	1.6	3.0	0.4	5.2	7.5	3.0
El Salvador	574	0.5	3.5	1.5	0.0	0.5	38.1	33.1	19.2	2.0	1.7	6.0	6.9	5.0
England	581	11.3	2.1	1.0	4.1	10.6	48.7	20.5	0.2	1.5	0.1	28.9	34.3	23.0
Georgia	610	9.8	2.5	0.1	0.2	3.1	56.9	14.5	1.0	10.8	1.2	15.6	19.2	12.4
Ghana	749	1.2	6.6	0.1	1.8	0.5	40.0	25.9	7.2	14.0	2.6	10.3	7.4	12.7
Hong Kong SAR	489	24.4	1.2	2.8	0.8	7.3	36.6	24.3	0.4	1.4	0.7	36.5	38.0	34.9
Hungary	574	9.1	5.5	0.5	1.1	13.2	55.7	11.7	1.0	0.8	1.4	29.4	33.2	25.8
Indonesia	602	0.9	2.4	2.3	0.8	1.1	52.7	16.4	16.4	4.7	2.3	7.6	6.8	8.4
Iran, Islamic Rep. of	573	8.7	10.7	1.7	9.7	6.0	41.5	20.4	0.2	0.2	0.9	36.9	44.9	29.8
Israel	464	4.7	5.3	1.1	0.7	4.9	49.7	20.8	5.6	4.7	2.6	16.6	17.8	15.4
Italy	627	8.8	2.5	0.8	0.3	10.4	47.5	20.8	1.6	6.8	0.5	22.8	23.7	22.1
Japan	614	15.6	10.9	0.3	0.9	1.4	26.0	41.6	1.8	1.3	0.3	29.1	30.1	28.1
Jordan	740	6.5	2.2	1.5	3.2	1.2	55.2	26.0	2.1	1.7	0.5	14.6	20.4	9.3
Korea, Rep. of	607	6.7	1.3	0.7	0.0	10.9	43.7	33.6	0.8	2.4	0.0	19.6	15.4	23.1
Kuwait	567	1.5	5.2	1.0	0.7	2.0	40.1	30.5	10.3	4.4	4.3	10.5	13.2	7.5
Lebanon	533	7.6	4.3	0.6	1.9	7.3	49.4	22.0	1.5	3.4	2.0	21.7	23.2	20.2
Lithuania	571	0.9	27.2	0.7	0.9	1.3	47.9	18.3	0.7	2.0	0.2	30.9	31.2	30.6
Malaysia	638	17.1	2.5	4.5	0.2	14.6	38.7	16.7	1.9	1.8	1.9	39.0	42.0	35.6
Malta	662	11.2	3.3	0.6	4.0	7.4	50.0	19.2	0.6	3.2	0.5	26.5	26.4	26.6
Morocco	447	0.8	1.5	0.0	0.7	0.2	45.5	39.9	2.6	5.6	3.1	3.2	3.8	2.5
Norway	651	24.4	0.9	0.4	0.1	1.5	52.8	18.5	0.1	0.8	0.4	27.4	29.0	25.8
Oman	662	5.4	1.8	0.6	1.3	0.5	54.8	31.1	1.5	2.2	0.8	9.6	14.0	4.7
Palestinian Nat'l Auth.	636	4.8	1.9	0.8	1.2	1.4	48.7	31.2	5.6	3.4	0.9	10.1	14.8	5.3
Qatar	1021	1.7	1.0	0.4	0.1	0.5	49.2	40.9	2.0	3.5	0.8	3.7	4.8	2.6
Romania	598	4.8	3.1	1.7	3.9	6.8	58.4	14.6	1.5	4.4	0.8	20.3	21.5	19.0
Russian Federation	638	31.2	5.3	0.0	0.4	1.8	48.9	8.6	0.0	2.9	1.0	38.6	36.6	40.7
Saudi Arabia	609	2.2	3.0	0.3	0.6	1.3	54.3	31.2	3.9	3.0	0.3	7.3	7.6	7.0
Scotland	583	5.9	2.8	0.9	1.8	7.5	57.4	22.0	0.7	0.6	0.3	19.0	20.5	17.5
Serbia	570	8.2	3.0	0.4	2.5	7.6	57.1	14.5	1.8	4.6	0.4	21.7	21.1	22.2
Singapore	657	24.6	7.0	3.9	4.5	9.1	36.6	12.7	0.7	0.1	0.7	49.1	54.3	44.2
Slovenia	581	17.0	4.4	0.3	5.4	10.0	43.9	16.7	2.2	0.1	0.0	37.1	40.5	33.7
Sweden	741	24.1	2.5	1.2	0.2	1.9	53.0	13.4	0.6	2.0	1.1	29.9	26.6	33.0
Syrian Arab Republic	665	4.7	2.0	1.2	5.4	0.3	40.2	29.7	12.7	2.4	1.4	13.6	13.3	13.9
Thailand	786	8.0	2.0	1.6	0.2	6.5	32.1	38.5	1.0	8.8	1.3	18.3	18.4	18.3
Tunisia	586	3.9	1.6	0.2	0.4	1.6	46.0	40.1	2.4	1.8	2.0	7.7	6.0	9.7
Turkey	633	6.5	9.6	1.1	2.3	4.5	47.7	24.5	1.7	1.8	0.2	24.0	25.1	22.9
Ukraine	639	19.0	2.4	0.1	3.4	8.3	48.4	12.7	1.1	3.7	0.8	33.3	34.9	31.5
United States	1065	5.3	4.1	0.9	1.7	13.2	51.0	21.5	0.9	1.1	0.4	25.2	23.5	26.9
International Avg.	638	9.4	4.0	1.0	1.8	5.0	48.1	23.2	3.1	3.2	1.2	21.2	22.3	20.1
Basque Country, Spain	328	0.5	7.1	0.2	0.8	5.7	47.1	34.0	0.3	3.8	0.4	14.4	13.2	15.7
British Columbia, Canada	603	4.6	2.0	3.5	3.3	11.7	55.8	15.2	1.2	2.3	0.5	25.1	27.2	22.7
Dubai, UAE	451	9.2	4.4	5.1	1.1	4.0	44.1	25.7	3.8	1.8	0.8	23.8	26.4	21.3
Massachusetts, US	267	3.1	4.9	0.4	2.8	9.2	53.4	23.0	0.8	0.4	2.0	20.4	20.3	20.5
Minnesota, US	256	1.5	5.8	1.3	0.5	10.5	57.5	22.0	0.6	0.3	0.0	19.6	22.8	16.1
Ontario, Canada	492	1.3	1.7	2.4	2.0	9.0	53.2	26.5	1.9	1.6	0.3	16.5	14.5	18.5
Quebec, Canada	553	7.3	1.7	1.3	3.3	9.0	46.9	26.5	2.0	1.7	0.3	22.7	24.0	21.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042307 - S02_13)
 Label: How soil is formed
 Type: CR Key: -

COUNTRY	N	10	11	12	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	668	5.6	3.8	0.3	42.7	44.5	3.1	9.6	11.8	7.5
Armenia	610	22.8	7.1	20.5	11.9	31.1	6.5	50.5	50.5	50.4
Australia	591	8.2	10.1	15.3	39.8	25.9	0.7	33.6	34.4	32.9
Bahrain	611	16.3	23.6	7.9	30.1	20.9	1.2	47.8	58.3	38.3
Bosnia and Herzegovina	603	5.5	9.0	20.8	24.9	39.0	0.8	35.3	36.9	33.6
Botswana	591	5.8	50.0	2.5	31.3	8.5	1.9	58.2	61.5	54.6
Bulgaria	448	19.1	15.0	17.9	9.0	36.4	2.6	52.1	55.2	49.3
Chinese Taipei	580	7.8	30.6	11.1	27.1	23.5	0.0	49.5	50.8	48.2
Colombia	693	4.3	13.0	3.9	43.2	31.2	4.4	21.2	22.2	20.4
Cyprus	630	0.7	16.4	4.5	28.4	48.9	1.1	21.6	21.8	21.3
Czech Republic	694	16.7	11.9	28.6	16.1	26.5	0.1	57.2	59.4	55.3
Egypt	935	4.8	13.1	9.0	50.5	22.0	0.7	26.8	33.0	20.8
El Salvador	574	3.3	10.1	5.2	45.2	34.2	2.0	18.6	17.8	19.5
England	581	4.6	8.6	27.9	33.1	25.6	0.1	41.1	43.7	38.3
Georgia	610	6.7	4.4	28.7	15.1	43.2	1.8	39.9	46.5	33.7
Ghana	749	5.3	11.4	7.5	39.2	33.0	3.5	24.2	21.5	26.4
Hong Kong SAR	489	6.0	15.4	5.2	40.7	31.8	0.7	26.7	30.8	22.2
Hungary	574	6.6	7.8	16.0	25.2	42.9	1.5	30.4	32.5	28.3
Indonesia	602	8.7	10.8	7.6	49.6	20.7	2.6	27.1	30.3	23.9
Iran, Islamic Rep. of	573	9.4	38.3	10.7	19.2	21.4	1.0	58.3	55.5	60.9
Israel	464	1.5	8.8	2.8	33.3	50.4	3.2	13.0	14.5	11.4
Italy	627	4.5	8.2	15.9	21.0	49.9	0.5	28.5	30.1	27.3
Japan	614	5.2	24.9	26.7	24.6	18.3	0.3	56.8	58.5	55.0
Jordan	740	11.9	29.3	10.6	32.1	15.7	0.5	51.8	57.2	46.9
Korea, Rep. of	607	1.8	13.2	4.3	55.4	25.4	0.0	19.2	17.5	20.7
Kuwait	567	3.5	9.9	3.6	25.7	52.6	4.6	17.1	20.4	13.4
Lebanon	533	5.1	14.7	5.9	27.2	44.8	2.4	25.7	29.7	21.2
Lithuania	571	3.6	6.0	21.7	27.6	41.0	0.2	31.3	30.8	31.9
Malaysia	638	5.7	6.9	7.8	51.6	25.9	2.1	20.5	20.9	20.0
Malta	661	10.5	21.8	13.6	20.3	33.4	0.5	45.9	49.9	41.9
Morocco	447	4.0	3.0	5.2	29.5	55.2	3.1	12.1	12.6	11.6
Norway	651	2.2	6.0	31.1	31.4	28.9	0.4	39.3	41.5	37.2
Oman	662	3.0	21.8	6.0	44.4	24.0	0.9	30.7	39.3	21.2
Palestinian Nat'l Auth.	636	5.0	15.9	7.6	48.3	22.3	0.9	28.5	31.0	25.9
Qatar	1021	1.9	7.0	7.5	39.3	43.2	1.0	16.5	22.2	10.7
Romania	598	14.9	9.4	13.2	18.0	43.6	1.0	37.5	43.4	31.4
Russian Federation	638	11.0	3.7	39.1	11.7	33.6	1.0	53.7	53.5	53.9
Saudi Arabia	609	10.0	8.8	2.6	53.4	24.7	0.5	21.5	29.9	13.6
Scotland	583	1.9	9.0	15.7	35.3	37.7	0.3	26.6	28.2	25.2
Serbia	570	4.1	9.1	14.7	25.3	46.5	0.4	27.9	33.2	22.8
Singapore	657	15.1	16.6	15.5	35.8	16.4	0.7	47.2	46.9	47.5
Slovenia	581	11.6	8.0	48.5	17.9	14.1	0.0	68.1	69.1	67.0
Sweden	741	2.8	3.4	50.4	16.9	25.4	1.1	56.6	63.9	49.7
Syrian Arab Republic	664	10.7	26.5	12.8	23.0	25.6	1.4	50.0	49.2	50.9
Thailand	786	13.1	11.4	27.8	27.2	19.0	1.6	52.3	56.3	48.5
Tunisia	586	13.4	24.8	12.4	30.4	16.6	2.4	50.7	51.9	49.1
Turkey	633	5.5	25.7	8.5	23.0	36.8	0.4	39.7	36.1	43.1
Ukraine	639	5.8	6.1	30.8	20.3	36.3	0.8	42.6	45.4	39.5
United States	1065	11.5	26.0	19.8	28.2	14.0	0.5	57.3	62.1	52.4
International Avg.	637	7.5	14.2	15.0	30.6	31.3	1.4	36.7	39.2	34.2
Basque Country, Spain	328	12.6	11.0	2.9	36.6	36.5	0.4	26.5	24.9	28.0
British Columbia, Canada	603	5.9	13.3	21.1	33.5	25.5	0.7	40.3	41.4	39.1
Dubai, UAE	451	13.7	24.7	10.6	23.4	26.7	0.9	49.0	53.0	45.3
Massachusetts, US	267	14.0	24.3	24.4	24.4	10.8	2.0	62.7	64.6	60.4
Minnesota, US	256	9.1	27.0	25.8	27.6	10.5	0.0	61.9	68.2	55.2
Ontario, Canada	492	9.0	13.2	26.7	30.9	19.9	0.3	48.8	48.3	49.4
Quebec, Canada	553	5.4	14.9	6.9	40.6	31.8	0.3	27.2	29.6	24.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S042405 - S02_14)
 Label: Weather in towns 4 and 5 on Tuesday
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	34.1	28.0	17.9	34.1	12.4	3.3	4.3	35.0	33.1
Armenia	609	42.6	13.8	15.1	42.6	8.3	10.4	9.9	39.2	46.2
Australia	591	55.1	15.2	17.0	55.1	10.2	1.3	1.2	51.4	58.3
Bahrain	611	38.5	27.7	17.1	38.5	14.1	1.4	1.3	45.4	32.2
Bosnia and Herzegovina	603	42.7	29.8	11.1	42.7	9.2	5.3	1.9	35.5	50.2
Botswana	591	35.3	26.8	17.0	35.3	16.4	2.3	2.1	35.1	35.6
Bulgaria	448	40.5	28.1	14.5	40.5	11.2	2.1	3.7	38.8	41.9
Chinese Taipei	580	70.8	10.1	9.9	70.8	9.0	0.2	0.0	70.8	70.8
Colombia	693	33.9	30.8	14.6	33.9	13.1	1.9	5.7	33.3	34.4
Cyprus	630	43.2	19.9	22.2	43.2	12.2	0.8	1.6	46.1	40.6
Czech Republic	694	71.2	12.9	8.1	71.2	6.8	0.9	0.2	74.1	68.5
Egypt	931	42.4	20.8	14.0	42.4	21.1	0.8	0.8	43.3	41.5
El Salvador	573	29.5	28.3	19.2	29.5	16.4	3.2	3.4	26.8	32.5
England	581	62.6	15.6	11.2	62.6	9.1	0.7	0.9	61.7	63.5
Georgia	610	34.0	30.8	14.5	34.0	11.9	5.8	3.2	40.3	28.2
Ghana	749	32.3	25.6	15.1	32.3	19.4	2.5	5.0	33.3	31.6
Hong Kong SAR	489	64.1	12.4	11.3	64.1	10.5	0.4	1.2	63.3	65.0
Hungary	574	64.7	15.3	10.7	64.7	5.9	1.5	1.8	66.4	63.2
Indonesia	602	38.8	24.3	17.8	38.8	15.0	1.4	2.7	39.8	37.8
Iran, Islamic Rep. of	573	46.4	23.9	12.1	46.4	15.3	0.9	1.3	50.3	43.1
Israel	464	47.9	16.8	13.1	47.9	14.9	3.4	3.9	49.1	46.5
Italy	626	51.7	20.6	14.3	51.7	9.6	2.5	1.2	48.2	54.6
Japan	614	71.1	9.5	10.9	71.1	7.3	1.0	0.3	73.0	69.0
Jordan	740	40.4	24.5	21.3	40.4	12.3	0.9	0.7	47.6	33.8
Korea, Rep. of	607	69.8	10.8	12.4	69.8	6.7	0.2	0.2	69.4	70.2
Kuwait	567	42.3	16.5	17.0	42.3	16.5	1.6	6.2	44.3	40.2
Lebanon	530	40.7	19.6	14.9	40.7	15.1	6.5	3.3	38.3	43.3
Lithuania	571	65.4	15.0	9.9	65.4	7.9	1.1	0.7	64.0	66.9
Malaysia	638	52.6	16.6	15.9	52.6	12.2	0.2	2.5	55.8	49.0
Malta	662	53.4	19.9	14.0	53.4	10.5	0.8	1.4	49.7	57.2
Morocco	440	32.6	23.5	20.9	32.6	15.0	3.0	5.2	29.5	35.7
Norway	651	60.4	16.7	9.8	60.4	10.6	1.6	0.9	62.8	58.2
Oman	662	36.7	23.6	18.4	36.7	18.2	1.3	1.8	35.5	38.0
Palestinian Nat'l Auth.	636	39.9	23.0	16.4	39.9	17.8	1.3	1.6	40.9	38.8
Qatar	1021	34.6	22.7	25.4	34.6	14.0	1.8	1.5	37.1	32.0
Romania	598	41.5	27.1	17.4	41.5	11.8	0.3	1.9	41.5	41.5
Russian Federation	638	64.4	14.7	6.0	64.4	9.6	3.2	2.2	62.2	66.6
Saudi Arabia	609	35.8	25.8	19.9	35.8	17.5	0.6	0.5	35.0	36.5
Scotland	583	52.7	17.9	13.9	52.7	14.4	0.3	0.7	51.4	53.9
Serbia	568	53.1	25.5	8.3	53.1	9.3	3.3	0.5	44.7	60.9
Singapore	657	64.3	12.1	11.7	64.3	10.4	0.8	0.7	61.8	66.6
Slovenia	581	59.3	16.1	16.6	59.3	7.2	0.8	0.1	63.4	55.2
Sweden	741	60.2	13.2	14.7	60.2	8.9	1.4	1.7	62.7	57.8
Syrian Arab Republic	664	36.3	30.1	15.2	36.3	14.9	1.8	1.8	34.6	38.1
Thailand	786	45.2	26.7	10.0	45.2	14.9	1.3	1.8	45.2	45.2
Tunisia	585	35.4	28.3	17.5	35.4	13.7	2.0	3.1	31.4	40.2
Turkey	633	47.7	24.2	15.4	47.7	11.0	0.8	1.0	51.7	43.9
Ukraine	639	59.4	13.6	9.3	59.4	14.4	1.9	1.4	57.5	61.5
United States	1065	56.2	17.8	15.2	56.2	9.1	1.2	0.5	53.1	59.3
International Avg.	638	48.4	20.7	14.6	48.4	12.3	1.9	2.1	48.4	48.5
Basque Country, Spain	328	52.6	21.1	14.7	52.6	9.9	1.3	0.4	50.7	54.7
British Columbia, Canada	603	63.8	10.8	11.1	63.8	12.2	1.2	0.9	62.8	65.0
Dubai, UAE	451	50.9	18.9	13.6	50.9	13.8	1.1	1.6	50.0	51.8
Massachusetts, US	267	65.6	14.1	8.9	65.6	7.3	1.8	2.3	66.4	64.7
Minnesota, US	256	69.9	9.7	10.9	69.9	8.5	1.0	0.0	67.9	72.1
Ontario, Canada	492	65.0	12.0	10.0	65.0	11.0	1.0	1.0	63.5	66.6
Quebec, Canada	553	56.0	15.7	17.2	56.0	9.9	0.9	0.3	58.6	53.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042244A - S02_15A)
 Label: Matching diagram with lever parts
 Type: CR Key: -

COUNTRY	N	10	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	763	1.8	0.5	3.1	72.3	17.7	4.6	1.8	1.1	2.5
Armenia	609	20.6	4.0	0.9	18.7	44.5	11.4	20.6	20.4	20.8
Australia	591	35.5	1.9	15.3	30.3	15.7	1.3	35.5	36.0	35.1
Bahrain	611	14.4	2.8	11.0	53.9	16.6	1.3	14.4	15.3	13.6
Bosnia and Herzegovina	603	23.5	3.2	7.9	31.4	31.5	2.5	23.5	22.8	24.2
Botswana	591	3.6	1.2	8.0	73.1	11.7	2.3	3.6	2.5	4.9
Bulgaria	448	24.0	3.0	5.8	23.7	39.2	4.2	24.0	27.1	21.2
Chinese Taipei	580	32.5	6.6	11.5	35.0	14.5	0.0	32.5	26.5	38.1
Colombia	693	10.7	2.8	5.8	57.2	16.4	7.1	10.7	8.8	12.5
Cyprus	630	16.5	0.8	3.1	44.7	33.3	1.6	16.5	19.6	13.7
Czech Republic	694	20.6	1.6	5.1	61.6	11.0	0.2	20.6	20.0	21.0
Egypt	936	7.4	2.0	13.2	62.9	13.5	1.0	7.4	7.4	7.3
El Salvador	574	4.7	1.4	8.2	43.7	38.1	3.8	4.7	4.4	4.9
England	581	39.6	2.1	10.2	33.7	13.4	1.0	39.6	36.9	42.4
Georgia	610	12.8	2.6	6.8	20.2	52.6	5.0	12.8	9.6	15.8
Ghana	749	1.8	0.7	3.2	50.8	37.6	5.8	1.8	1.9	1.7
Hong Kong SAR	489	40.6	2.8	5.0	37.1	13.2	1.2	40.6	39.6	41.8
Hungary	574	45.6	4.8	9.1	25.3	13.3	1.9	45.6	46.7	44.5
Indonesia	602	3.1	0.3	2.1	79.7	12.2	2.7	3.1	2.9	3.3
Iran, Islamic Rep. of	573	7.0	5.8	6.9	65.3	13.5	1.6	7.0	8.1	6.0
Israel	464	22.3	3.3	8.3	36.7	25.1	4.3	22.3	25.6	18.6
Italy	626	34.7	2.6	2.6	33.6	25.3	1.2	34.7	35.8	33.9
Japan	614	50.9	3.0	4.2	29.9	11.7	0.4	50.9	52.3	49.4
Jordan	740	15.8	2.9	12.3	62.0	6.4	0.7	15.8	16.8	15.0
Korea, Rep. of	607	37.5	2.8	4.8	45.2	9.5	0.2	37.5	35.5	39.3
Kuwait	567	3.2	1.2	2.7	58.3	28.3	6.3	3.2	4.1	2.2
Lebanon	533	7.6	1.0	6.2	44.8	36.9	3.5	7.6	6.6	8.6
Lithuania	571	13.3	2.2	5.7	67.0	11.2	0.7	13.3	16.1	10.4
Malaysia	639	18.7	2.5	4.9	60.3	11.2	2.5	18.7	19.3	18.1
Malta	662	29.8	3.7	12.9	28.2	24.0	1.4	29.8	26.2	33.4
Morocco	446	5.9	1.4	3.1	61.1	23.3	5.2	5.9	6.0	5.8
Norway	651	13.5	2.1	21.1	45.5	16.7	1.0	13.5	18.5	8.6
Oman	662	11.9	1.0	4.2	72.0	9.1	1.8	11.9	14.6	9.0
Palestinian Nat'l Auth.	634	4.7	2.3	11.7	68.9	10.6	1.8	4.7	5.2	4.2
Qatar	1021	3.4	2.0	8.2	55.7	29.1	1.6	3.4	5.0	1.8
Romania	598	26.7	5.6	6.6	30.2	29.0	1.9	26.7	24.7	28.8
Russian Federation	638	33.8	3.5	8.8	20.8	30.1	3.0	33.8	30.7	37.1
Saudi Arabia	609	8.0	3.3	5.2	66.6	16.3	0.5	8.0	11.7	4.6
Scotland	583	27.1	3.3	11.4	34.8	22.6	0.9	27.1	26.6	27.6
Serbia	570	15.4	1.9	2.8	48.5	30.7	0.8	15.4	14.1	16.5
Singapore	657	49.9	1.0	2.9	38.2	7.3	0.7	49.9	47.2	52.4
Slovenia	581	21.9	2.7	6.4	60.6	8.2	0.1	21.9	20.6	23.2
Sweden	741	19.0	2.0	7.5	47.8	22.0	1.7	19.0	15.5	22.4
Syrian Arab Republic	664	7.3	4.3	7.9	64.4	14.3	1.8	7.3	6.7	7.9
Thailand	786	23.3	2.3	9.1	39.7	23.7	1.8	23.3	26.7	20.1
Tunisia	586	5.7	1.0	7.0	67.7	15.1	3.5	5.7	3.6	8.3
Turkey	633	14.4	3.8	6.8	50.7	23.3	1.0	14.4	16.3	12.7
Ukraine	639	10.4	3.1	2.3	60.5	22.0	1.6	10.4	8.0	13.1
United States	1065	31.0	3.6	11.9	44.4	8.6	0.5	31.0	30.2	31.7
International Avg.	639	19.1	2.6	7.2	48.3	20.6	2.3	19.1	18.9	19.2
Basque Country, Spain	328	12.0	3.7	4.0	54.6	25.1	0.7	12.0	13.1	10.9
British Columbia, Canada	603	33.9	0.6	9.8	42.7	12.1	0.9	33.9	34.8	32.9
Dubai, UAE	451	25.1	2.7	9.1	45.5	15.9	1.8	25.1	24.0	26.1
Massachusetts, US	267	44.7	3.2	9.0	35.3	5.5	2.3	44.7	44.1	45.5
Minnesota, US	256	39.3	0.6	12.4	41.2	6.5	0.0	39.3	37.6	41.1
Ontario, Canada	492	47.6	1.4	4.1	35.5	10.4	1.0	47.6	44.8	50.6
Quebec, Canada	553	32.4	2.0	9.7	42.9	12.7	0.3	32.4	33.1	31.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042244B - S02_15B)
 Label: Force exerted by each man
 Type: CR Key: -

COUNTRY	N	10	79	OMIT	NOT	V1	1.GIRL	2.BOY
				TED	REACH		%Right	%Right

Algeria	768	0.4	55.0	31.2	13.4	0.4	0.5	0.3
Armenia	609	40.4	21.0	15.4	23.2	40.4	41.4	39.3
Australia	591	8.2	64.6	22.4	4.9	8.2	4.6	11.3
Bahrain	611	3.7	73.5	15.2	7.6	3.7	2.9	4.4
Bosnia and Herzegovina	603	12.8	36.5	39.1	11.6	12.8	11.7	13.9
Botswana	591	0.9	76.3	16.7	6.1	0.9	0.4	1.5
Bulgaria	448	14.2	26.5	40.6	18.7	14.2	17.0	11.7
Chinese Taipei	580	43.4	44.8	8.6	3.2	43.4	39.9	46.7
Colombia	693	3.1	55.3	29.4	12.2	3.1	2.9	3.4
Cyprus	630	14.4	42.9	29.4	13.3	14.4	16.4	12.5
Czech Republic	694	12.9	51.3	33.9	1.9	12.9	11.2	14.5
Egypt	936	1.2	75.3	18.1	5.3	1.2	0.9	1.6
El Salvador	574	0.8	58.3	26.4	14.4	0.8	0.9	0.6
England	581	15.7	63.5	16.6	4.3	15.7	15.9	15.4
Georgia	610	2.5	30.1	45.4	22.0	2.5	2.0	2.9
Ghana	749	1.9	46.2	34.7	17.2	1.9	1.9	1.9
Hong Kong SAR	489	25.4	56.9	12.8	4.9	25.4	25.7	25.1
Hungary	574	15.4	55.7	23.1	5.8	15.4	10.5	20.1
Indonesia	601	8.1	63.9	20.5	7.5	8.1	6.9	9.3
Iran, Islamic Rep. of	573	10.5	64.8	20.7	4.0	10.5	11.5	9.6
Israel	464	8.3	46.2	32.8	12.6	8.3	9.7	6.7
Italy	627	9.9	49.2	33.4	7.5	9.9	10.6	9.3
Japan	614	29.1	57.5	11.4	2.0	29.1	25.5	33.2
Jordan	740	16.6	71.1	10.2	2.1	16.6	19.6	13.9
Korea, Rep. of	607	29.0	63.7	5.7	1.6	29.0	23.9	33.4
Kuwait	567	2.8	59.6	20.6	17.1	2.8	3.0	2.5
Lebanon	533	9.4	46.3	31.5	12.9	9.4	8.1	10.8
Lithuania	571	18.6	50.2	27.4	3.8	18.6	23.3	13.8
Malaysia	639	14.8	72.0	9.2	4.0	14.8	15.6	14.0
Malta	662	10.2	64.4	18.3	7.2	10.2	8.6	11.8
Morocco	447	3.3	40.7	39.4	16.7	3.3	3.8	2.7
Norway	651	6.2	63.4	25.4	5.1	6.2	4.8	7.5
Oman	662	7.9	75.9	11.0	5.1	7.9	11.2	4.2
Palestinian Nat'l Auth.	634	5.2	78.3	11.6	4.8	5.2	7.7	2.7
Qatar	1021	2.0	65.8	18.7	13.5	2.0	2.7	1.4
Romania	598	18.5	44.0	25.1	12.3	18.5	21.1	15.9
Russian Federation	638	25.8	41.3	25.1	7.7	25.8	24.2	27.5
Saudi Arabia	609	2.2	76.0	13.6	8.2	2.2	2.6	1.8
Scotland	583	6.4	60.8	28.4	4.4	6.4	5.1	7.6
Serbia	570	15.7	36.8	38.2	9.3	15.7	13.0	18.2
Singapore	657	34.2	55.4	8.6	1.8	34.2	35.2	33.3
Slovenia	581	10.8	73.1	14.3	1.8	10.8	8.8	12.8
Sweden	741	7.4	56.1	29.6	6.9	7.4	5.9	8.8
Syrian Arab Republic	664	4.9	66.5	21.5	7.1	4.9	2.2	8.1
Thailand	786	10.2	60.7	20.9	8.2	10.2	11.3	9.2
Tunisia	586	3.3	56.9	31.4	8.4	3.3	3.2	3.4
Turkey	633	25.7	48.8	18.9	6.6	25.7	27.7	23.7
Ukraine	639	12.7	43.8	35.5	8.0	12.7	10.0	15.8
United States	1065	18.9	70.3	8.2	2.6	18.9	21.0	16.7

International Avg.	639	12.4	56.3	23.0	8.4	12.4	12.1	12.6

Basque Country, Spain	328	15.2	53.1	29.0	2.7	15.2	14.2	16.2
British Columbia, Canada	603	12.0	64.6	19.9	3.5	12.0	10.4	13.8
Dubai, UAE	451	14.9	54.7	22.8	7.6	14.9	15.6	14.4
Massachusetts, US	267	25.2	63.8	7.5	3.5	25.2	24.8	25.6
Minnesota, US	256	23.3	68.6	5.9	2.2	23.3	26.9	19.5
Ontario, Canada	492	10.5	69.2	16.2	4.2	10.5	8.4	12.7
Quebec, Canada	553	28.7	50.6	18.0	2.7	28.7	36.3	20.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042153 - S02_16)
 Label: Why recycling is important
 Type: CR Key: -

COUNTRY	N	10	11	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	665	11.6	3.3	2.8	1.6	5.5	28.2	26.9	20.0	17.7	19.8	15.7
Armenia	609	6.8	2.9	5.9	0.6	0.0	21.6	36.7	25.5	15.6	13.3	18.2
Australia	591	18.4	23.9	0.0	15.4	22.4	9.1	4.1	6.7	42.4	47.7	37.7
Bahrain	611	7.8	10.1	3.6	5.1	9.2	34.1	20.0	10.1	21.5	32.7	11.4
Bosnia and Herzegovina	603	4.0	17.4	0.4	14.6	15.8	10.9	21.4	15.5	21.8	23.3	20.2
Botswana	591	2.1	14.3	1.1	3.4	15.7	39.1	14.5	9.8	17.5	20.4	14.4
Bulgaria	448	7.3	23.0	1.5	5.2	5.3	7.4	28.3	22.0	31.8	33.4	30.3
Chinese Taipei	580	10.4	29.9	14.6	5.6	19.4	12.5	4.0	3.6	55.0	58.5	51.7
Colombia	693	1.7	14.1	0.0	12.1	27.8	16.9	9.0	18.4	15.8	18.0	13.8
Cyprus	630	11.4	6.9	3.4	0.0	32.7	19.0	10.3	16.4	21.7	24.6	18.9
Czech Republic	694	8.3	35.0	0.2	9.0	28.8	10.0	5.1	3.6	43.5	43.5	43.5
Egypt	936	1.3	3.8	0.0	1.3	11.9	51.4	21.1	9.1	5.2	5.6	4.8
El Salvador	574	23.8	25.6	4.3	0.2	0.0	18.0	11.5	16.6	53.8	51.9	55.8
England	581	25.3	26.9	0.0	6.4	20.0	10.5	5.1	5.7	52.2	56.3	47.8
Georgia	610	1.2	5.0	0.5	0.9	12.8	10.7	41.4	27.4	6.8	6.9	6.7
Ghana	749	3.5	3.4	0.3	1.8	6.8	28.6	33.9	21.7	7.2	7.6	6.8
Hong Kong SAR	489	10.5	26.9	0.4	13.5	28.6	9.1	5.1	5.8	37.8	43.0	32.2
Hungary	574	17.7	41.3	0.1	7.9	14.0	4.4	6.6	8.0	59.1	58.9	59.3
Indonesia	601	17.1	13.1	4.1	3.8	6.2	35.9	9.6	10.3	34.3	36.1	32.4
Iran, Islamic Rep. of	573	14.6	7.9	1.3	1.3	30.0	19.9	17.1	7.7	23.9	24.4	23.4
Israel	464	18.7	23.5	0.7	5.7	2.8	13.0	18.4	17.3	42.8	46.2	39.0
Italy	627	11.1	27.2	12.4	7.6	16.9	5.6	9.5	9.7	50.7	51.9	49.8
Japan	614	31.6	23.1	0.7	13.6	10.0	14.9	3.2	2.9	55.4	57.6	52.9
Jordan	740	5.7	30.9	5.1	4.3	14.2	27.6	7.9	4.3	41.7	53.3	31.1
Korea, Rep. of	607	26.8	41.5	0.0	7.8	8.6	11.0	2.7	1.7	68.3	70.5	66.4
Kuwait	567	1.9	2.7	1.4	0.9	2.7	33.8	34.1	22.3	6.0	8.7	3.0
Lebanon	533	7.2	14.4	1.9	3.3	7.6	20.2	29.0	16.6	23.4	23.5	23.4
Lithuania	571	8.5	60.1	0.0	0.1	7.7	8.4	8.1	7.1	68.6	69.9	67.2
Malaysia	639	15.3	17.6	2.0	9.4	15.3	27.2	8.5	4.6	35.0	38.9	30.6
Malta	661	10.6	21.9	0.9	12.7	21.7	13.9	9.6	8.6	33.4	31.6	35.3
Morocco	447	0.3	0.3	0.0	1.3	3.0	29.0	40.6	25.5	0.6	0.6	0.6
Norway	651	6.3	34.8	0.2	6.5	26.8	9.6	8.2	7.6	41.3	44.0	38.6
Oman	662	2.0	5.7	0.0	2.8	8.1	54.6	18.9	7.8	7.7	9.7	5.5
Palestinian Nat'l Auth.	634	0.9	3.9	0.6	1.6	6.6	59.7	19.6	7.0	5.5	6.6	4.3
Qatar	1021	0.9	2.3	0.0	0.5	3.9	46.7	29.6	16.0	3.2	4.6	1.8
Romania	598	6.2	35.9	2.2	9.6	7.7	6.7	14.7	17.0	44.3	50.4	38.1
Russian Federation	638	4.5	57.5	0.6	0.8	5.9	9.2	11.6	9.8	62.6	62.3	63.0
Saudi Arabia	609	2.7	3.4	0.3	1.7	7.5	54.2	19.7	10.6	6.4	11.6	1.5
Scotland	583	20.7	31.4	0.3	8.8	22.0	7.0	4.2	5.6	52.3	59.9	45.3
Serbia	568	12.0	18.0	0.3	10.4	20.1	12.5	14.0	12.7	30.3	31.0	29.6
Singapore	657	33.8	23.4	1.1	6.7	12.3	15.9	3.7	3.1	58.3	66.0	51.2
Slovenia	581	17.9	28.4	0.0	8.5	26.5	12.1	3.9	2.7	46.3	48.1	44.7
Sweden	741	22.9	22.1	1.6	15.5	15.3	7.7	6.2	8.7	46.6	50.8	42.6
Syrian Arab Republic	664	2.6	3.8	1.1	5.2	6.0	31.9	36.5	12.8	7.6	7.5	7.6
Thailand	786	7.6	14.8	1.5	0.2	38.6	14.9	12.8	9.6	23.9	26.4	21.6
Tunisia	586	5.0	11.0	1.2	20.1	9.4	27.5	13.9	11.9	17.2	17.0	17.5
Turkey	633	22.2	18.5	1.2	7.7	13.4	14.5	14.6	7.9	41.9	40.7	43.0
Ukraine	639	4.6	12.5	1.5	14.0	10.0	16.6	26.9	14.1	18.5	13.3	24.4
United States	1065	19.9	22.9	0.0	15.6	24.6	10.4	3.1	3.5	42.7	44.2	41.3
International Avg.	636	10.9	19.4	1.7	6.4	14.0	20.7	15.6	11.3	32.0	34.1	29.9
Basque Country, Spain	328	30.4	35.0	0.7	13.7	9.7	3.3	3.4	3.9	66.1	66.6	65.6
British Columbia, Canada	603	14.0	28.8	0.5	11.2	25.4	12.2	3.6	4.3	43.3	47.0	38.9
Dubai, UAE	451	19.1	22.0	0.5	4.8	12.7	20.3	10.7	9.9	41.6	45.2	38.3
Massachusetts, US	267	24.9	22.0	0.0	15.3	25.1	6.2	3.0	3.5	46.9	43.6	50.9
Minnesota, US	256	22.8	27.7	0.0	11.8	24.4	9.3	1.7	2.3	50.5	57.7	42.8
Ontario, Canada	492	10.4	35.2	0.6	8.8	28.5	7.7	3.6	5.2	46.1	50.7	41.4
Quebec, Canada	553	11.1	40.4	0.1	8.5	19.8	12.6	4.2	3.3	51.6	57.9	45.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S022183 - S03_01)
 Label: Gas needed for rust to form
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	770	19.1	26.8	19.1	20.8	27.5	5.0	0.8	22.2	16.1
Armenia	668	47.4	24.5	47.4	10.3	10.1	7.6	0.1	50.8	44.2
Australia	585	24.4	40.1	24.4	28.1	5.8	1.6	0.2	20.5	27.4
Bahrain	611	30.5	19.5	30.5	22.1	25.3	2.1	0.6	35.7	25.6
Bosnia and Herzegovina	602	39.9	26.2	39.9	17.2	14.0	2.7	0.0	39.6	40.1
Botswana	591	29.7	25.6	29.7	20.7	20.9	1.7	1.4	28.0	31.6
Bulgaria	442	43.1	26.6	43.1	19.9	9.2	1.2	0.0	39.0	46.5
Chinese Taipei	584	89.1	5.3	89.1	3.7	1.9	0.0	0.0	86.5	91.5
Colombia	704	26.2	27.2	26.2	24.1	16.9	3.6	1.9	26.3	26.1
Cyprus	637	14.5	29.5	14.5	36.7	17.4	1.9	0.0	11.3	17.4
Czech Republic	701	37.7	40.4	37.7	16.1	4.7	1.2	0.0	32.2	42.9
Egypt	941	47.5	13.3	47.5	17.1	21.0	0.9	0.1	48.1	46.9
El Salvador	578	22.1	18.2	22.1	32.1	22.3	3.7	1.7	24.1	20.0
England	567	52.9	23.5	52.9	20.8	1.9	0.8	0.0	45.6	61.2
Georgia	602	49.1	18.7	49.1	23.5	6.0	2.4	0.2	48.9	49.4
Ghana	746	38.2	20.2	38.2	18.2	17.6	5.1	0.7	39.7	37.1
Hong Kong SAR	483	57.4	19.6	57.4	14.6	8.2	0.0	0.2	53.6	61.3
Hungary	582	60.7	14.1	60.7	18.2	6.1	0.9	0.0	52.5	69.4
Indonesia	596	11.4	19.8	11.4	22.3	44.2	2.3	0.1	7.8	15.2
Iran, Islamic Rep. of	565	62.5	13.5	62.5	10.4	12.3	1.3	0.0	69.4	56.4
Israel	478	42.6	18.2	42.6	24.1	10.1	3.7	1.2	40.1	45.5
Italy	624	33.3	33.3	33.3	23.7	6.8	2.3	0.6	26.7	39.1
Japan	611	45.4	32.4	45.4	11.7	9.9	0.4	0.2	39.8	51.2
Jordan	745	72.2	8.1	72.2	9.8	8.7	0.9	0.3	73.2	71.3
Korea, Rep. of	601	30.3	26.6	30.3	35.3	7.0	0.9	0.0	22.8	37.0
Kuwait	575	26.3	28.6	26.3	18.9	22.6	3.3	0.3	19.1	34.4
Lebanon	541	50.4	22.3	50.4	12.4	12.6	2.2	0.0	47.2	54.6
Lithuania	568	43.5	30.8	43.5	21.1	4.2	0.4	0.0	42.7	44.2
Malaysia	631	41.4	20.4	41.4	17.1	19.3	1.6	0.2	41.4	41.4
Malta	662	38.8	25.7	38.8	16.9	17.9	0.7	0.0	34.2	43.5
Morocco	449	23.3	28.9	23.3	23.9	17.9	4.7	1.3	21.8	25.0
Norway	659	25.8	29.5	25.8	31.4	11.3	2.0	0.0	20.8	30.6
Oman	677	28.8	21.4	28.8	20.7	25.9	3.1	0.0	28.3	29.4
Palestinian Nat'l Auth.	629	50.3	15.0	50.3	18.3	15.7	0.6	0.0	49.4	51.2
Qatar	1021	35.6	20.3	35.6	21.0	22.0	1.2	0.0	34.2	37.0
Romania	603	37.5	21.7	37.5	24.8	12.5	2.8	0.6	35.4	39.6
Russian Federation	637	41.1	29.4	41.1	20.2	7.4	1.8	0.2	38.6	43.7
Saudi Arabia	606	25.3	22.3	25.3	19.5	28.9	3.8	0.3	25.5	25.0
Scotland	593	36.4	32.4	36.4	28.0	2.4	0.6	0.3	32.4	40.3
Serbia	575	37.4	27.6	37.4	21.9	10.7	2.4	0.0	32.6	42.0
Singapore	664	41.2	18.5	41.2	18.9	21.1	0.3	0.0	37.5	44.5
Slovenia	576	50.3	23.8	50.3	16.5	8.0	1.3	0.0	45.7	55.3
Sweden	739	33.6	38.6	33.6	23.3	3.9	0.5	0.1	32.8	34.3
Syrian Arab Republic	665	42.2	17.0	42.2	20.9	18.0	1.6	0.2	40.0	44.8
Thailand	780	29.2	13.5	29.2	14.2	41.6	1.3	0.2	27.7	30.7
Tunisia	583	12.8	24.9	12.8	29.2	28.0	4.8	0.3	12.4	13.3
Turkey	634	25.8	18.9	25.8	35.2	17.9	2.1	0.1	23.2	28.0
Ukraine	638	34.2	35.9	34.2	18.8	9.0	2.1	0.0	30.1	38.7
United States	1050	30.1	33.4	30.1	29.1	6.8	0.4	0.2	23.0	37.1
International Avg.	640	38.1	23.9	38.1	20.9	14.7	2.0	0.3	35.9	40.4
Basque Country, Spain	328	26.8	16.4	26.8	24.7	28.5	3.6	0.0	23.8	29.8
British Columbia, Canada	602	24.7	41.9	24.7	26.5	5.1	1.8	0.0	25.3	24.0
Dubai, UAE	455	48.0	17.9	48.0	15.2	16.4	2.0	0.5	46.1	49.9
Massachusetts, US	264	39.6	30.1	39.6	22.0	6.7	1.2	0.3	38.1	40.8
Minnesota, US	254	28.1	35.1	28.1	29.9	6.5	0.4	0.0	23.8	32.8
Ontario, Canada	493	18.6	39.2	18.6	35.3	4.5	2.1	0.3	15.3	21.7
Quebec, Canada	552	25.3	31.5	25.3	31.6	10.5	1.1	0.0	19.6	31.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S022276 - S03_02)
 Label: Observation of bubbling electrode
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	E	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	46.4	46.4	3.4	28.3	14.0	2.3	4.8	0.8	47.2	45.6
Armenia	668	38.9	38.9	5.7	19.8	17.0	7.9	10.6	0.1	41.7	36.3
Australia	585	72.9	72.9	3.0	12.0	5.5	5.4	1.0	0.2	71.2	74.3
Bahrain	611	46.6	46.6	2.7	33.3	11.3	4.1	1.4	0.6	57.8	35.9
Bosnia and Herzegovina	602	57.4	57.4	5.2	22.1	6.1	5.0	4.1	0.1	57.7	57.1
Botswana	591	40.5	40.5	9.8	15.4	9.0	21.4	2.5	1.4	40.4	40.6
Bulgaria	442	55.0	55.0	14.4	16.4	6.7	5.0	2.5	0.0	65.9	46.1
Chinese Taipei	584	77.0	77.0	1.9	16.0	2.5	2.3	0.4	0.0	80.3	74.0
Colombia	704	43.6	43.6	4.3	19.2	13.8	14.1	1.9	3.1	40.1	47.1
Cyprus	637	42.2	42.2	9.3	36.1	6.5	4.7	1.4	0.0	48.0	36.7
Czech Republic	701	67.9	67.9	1.7	16.5	8.0	3.3	2.5	0.0	70.8	65.1
Egypt	939	35.2	35.2	4.9	44.6	11.1	3.5	0.5	0.1	38.5	31.9
El Salvador	578	41.5	41.5	4.7	17.9	17.2	14.2	2.5	2.0	40.4	42.8
England	567	72.9	72.9	5.3	13.2	5.3	2.4	1.0	0.0	77.7	67.5
Georgia	602	50.4	50.4	4.3	21.0	5.1	13.4	5.6	0.2	53.0	47.5
Ghana	746	56.2	56.2	8.7	16.6	5.8	8.2	3.7	0.7	54.0	58.0
Hong Kong SAR	483	67.6	67.6	3.5	20.6	4.9	2.9	0.2	0.2	73.2	61.9
Hungary	581	84.1	84.1	0.9	7.8	4.1	2.7	0.4	0.0	85.6	82.5
Indonesia	596	57.7	57.7	0.9	23.1	11.7	4.6	1.7	0.3	62.0	53.1
Iran, Islamic Rep. of	565	35.3	35.3	7.9	35.3	12.6	7.6	1.2	0.0	39.7	31.4
Israel	478	46.2	46.2	6.0	27.6	11.4	4.2	3.3	1.2	50.3	41.4
Italy	622	60.4	60.4	3.8	22.4	7.4	4.3	1.2	0.6	61.1	59.9
Japan	611	62.0	62.0	1.6	29.7	3.4	2.6	0.5	0.2	70.6	53.2
Jordan	745	38.5	38.5	4.1	38.9	11.0	5.9	1.2	0.3	45.4	32.3
Korea, Rep. of	601	55.1	55.1	0.6	42.2	1.2	0.8	0.0	0.0	59.2	51.5
Kuwait	575	46.6	46.6	3.5	33.2	12.7	1.8	1.8	0.3	59.7	31.8
Lebanon	528	41.4	41.4	7.6	23.9	4.4	15.8	6.9	0.0	43.3	39.1
Lithuania	568	43.4	43.4	12.0	32.5	3.5	8.1	0.5	0.0	52.3	35.6
Malaysia	632	64.6	64.6	6.4	15.0	5.8	6.7	1.3	0.2	69.4	59.1
Malta	661	55.7	55.7	8.7	15.3	10.4	6.7	3.2	0.0	64.2	47.0
Morocco	441	50.1	50.1	1.3	32.6	10.6	0.9	3.1	1.3	51.6	48.4
Norway	659	47.9	47.9	2.8	22.7	10.0	14.1	2.6	0.0	46.5	49.3
Oman	677	39.0	39.0	6.9	32.6	14.5	5.0	1.9	0.1	48.7	27.9
Palestinian Nat'l Auth.	628	26.7	26.7	5.1	42.9	16.7	6.9	1.7	0.1	31.7	21.6
Qatar	1021	21.6	21.6	12.8	36.3	18.9	9.1	1.4	0.0	22.3	20.9
Romania	603	45.1	45.1	3.0	34.3	8.6	7.1	1.3	0.6	46.4	43.8
Russian Federation	637	68.6	68.6	1.3	25.1	2.5	0.9	1.3	0.2	75.8	60.7
Saudi Arabia	604	22.1	22.1	11.9	48.9	11.5	2.7	2.5	0.4	22.3	22.0
Scotland	593	52.2	52.2	5.1	24.3	11.5	4.9	1.7	0.3	53.6	50.8
Serbia	574	63.5	63.5	3.7	22.1	6.8	1.2	2.6	0.0	68.7	58.5
Singapore	664	75.2	75.2	4.3	9.2	4.9	6.3	0.1	0.0	80.2	70.7
Slovenia	576	81.8	81.8	4.0	7.0	4.6	2.3	0.3	0.0	84.0	79.5
Sweden	739	32.2	32.2	6.2	36.6	8.8	15.4	0.7	0.1	30.4	33.7
Syrian Arab Republic	665	26.4	26.4	3.8	55.8	8.8	3.8	1.3	0.2	26.5	26.4
Thailand	780	61.7	61.7	5.7	18.5	5.7	7.3	0.8	0.2	63.8	59.7
Tunisia	583	71.6	71.6	3.1	13.0	7.6	2.7	1.4	0.5	75.5	66.9
Turkey	634	62.3	62.3	7.5	19.0	4.2	5.8	1.1	0.1	70.9	54.8
Ukraine	638	63.4	63.4	4.7	22.5	5.0	2.5	2.0	0.0	66.8	59.7
United States	1050	76.3	76.3	3.0	9.7	4.5	5.9	0.4	0.2	77.8	74.8
International Avg.	640	52.9	52.9	5.2	25.1	8.5	6.1	2.0	0.4	56.4	49.3
Basque Country, Spain	328	46.9	46.9	3.8	23.2	13.2	9.4	3.4	0.0	45.4	48.5
British Columbia, Canada	602	76.7	76.7	2.7	9.7	6.2	3.2	1.4	0.0	80.5	73.1
Dubai, UAE	455	49.7	49.7	6.3	25.6	12.5	2.5	2.8	0.6	56.1	43.3
Massachusetts, US	264	81.3	81.3	3.0	8.2	2.4	3.5	1.2	0.3	88.5	75.3
Minnesota, US	254	78.6	78.6	1.5	10.3	4.4	4.8	0.1	0.3	78.8	78.3
Ontario, Canada	493	73.0	73.0	2.0	12.0	7.3	4.5	0.9	0.3	75.5	70.7
Quebec, Canada	552	77.3	77.3	1.2	13.5	4.5	2.3	1.3	0.0	82.4	72.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S022115 - S03_03)
 Label: Oxygen/carbon dioxide cycle
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	770	49.4	3.7	33.1	7.2	49.4	5.9	0.8	48.7	50.1
Armenia	667	55.4	7.1	22.4	5.5	55.4	9.5	0.1	58.9	52.2
Australia	585	62.5	4.2	22.6	8.6	62.5	1.8	0.3	60.5	63.9
Bahrain	611	64.6	3.3	25.4	4.9	64.6	1.2	0.6	71.3	58.3
Bosnia and Herzegovina	602	56.0	5.6	29.5	2.0	56.0	6.9	0.1	56.3	55.8
Botswana	592	46.5	7.3	34.2	9.0	46.5	1.6	1.4	52.4	39.9
Bulgaria	442	50.9	4.3	32.7	7.9	50.9	4.3	0.0	55.0	47.5
Chinese Taipei	584	72.8	5.9	16.4	5.0	72.8	0.0	0.0	66.1	78.7
Colombia	704	46.1	6.3	33.8	8.1	46.1	2.0	3.6	47.2	45.0
Cyprus	637	55.2	5.4	31.0	6.3	55.2	2.1	0.0	60.4	50.4
Czech Republic	701	70.4	3.3	22.2	2.7	70.4	1.3	0.2	72.0	68.9
Egypt	930	46.5	5.9	35.8	10.3	46.5	1.4	0.1	48.5	44.4
El Salvador	578	38.1	8.9	37.6	8.6	38.1	4.1	2.8	35.3	41.0
England	567	66.2	1.3	25.5	6.4	66.2	0.7	0.0	66.7	65.6
Georgia	602	49.3	5.7	33.2	6.3	49.3	5.3	0.2	51.2	47.2
Ghana	746	35.4	9.4	37.2	13.5	35.4	3.5	0.9	35.8	35.0
Hong Kong SAR	483	73.9	5.4	16.6	3.7	73.9	0.0	0.4	76.2	71.4
Hungary	582	60.6	2.1	26.0	7.6	60.6	3.7	0.1	59.8	61.4
Indonesia	596	45.2	6.1	40.0	6.9	45.2	1.4	0.5	45.4	45.0
Iran, Islamic Rep. of	561	49.3	3.8	37.8	7.4	49.3	1.5	0.3	54.9	44.4
Israel	478	57.3	4.3	27.6	6.2	57.3	3.5	1.2	60.4	53.6
Italy	622	53.1	5.1	29.8	7.3	53.1	4.0	0.7	49.5	56.3
Japan	611	84.1	2.0	10.8	2.2	84.1	0.8	0.2	83.5	84.7
Jordan	745	60.6	9.4	25.7	3.2	60.6	0.6	0.5	64.8	56.8
Korea, Rep. of	601	80.8	1.4	16.4	1.5	80.8	0.0	0.0	80.3	81.2
Kuwait	575	50.0	6.3	29.0	10.1	50.0	4.2	0.3	53.7	45.7
Lebanon	538	63.1	3.1	26.2	5.8	63.1	1.8	0.0	66.0	59.4
Lithuania	567	73.7	4.0	17.4	3.7	73.7	1.3	0.0	71.4	75.7
Malaysia	633	68.1	4.4	21.5	4.9	68.1	0.6	0.5	66.8	69.5
Malta	657	55.2	6.2	28.2	7.5	55.2	2.8	0.0	57.9	52.5
Morocco	440	47.5	5.3	32.6	8.0	47.5	5.4	1.3	47.3	47.7
Norway	659	50.1	6.3	29.8	10.2	50.1	3.6	0.0	54.1	46.3
Oman	677	53.2	5.9	30.5	7.1	53.2	3.1	0.1	60.0	45.6
Palestinian Nat'l Auth.	629	42.3	8.6	35.4	10.8	42.3	2.5	0.3	44.9	39.7
Qatar	1021	35.5	10.7	38.7	13.1	35.5	2.1	0.0	41.4	29.3
Romania	603	54.5	3.6	32.3	6.0	54.5	2.9	0.6	54.8	54.3
Russian Federation	637	66.6	3.0	24.7	3.5	66.6	1.7	0.5	67.1	66.0
Saudi Arabia	603	49.8	8.5	30.3	7.8	49.8	3.3	0.4	51.0	48.6
Scotland	593	57.5	5.2	26.7	8.5	57.5	1.8	0.3	56.8	58.2
Serbia	571	62.6	2.8	25.3	4.3	62.6	4.8	0.1	64.4	60.9
Singapore	664	78.2	3.2	15.7	2.5	78.2	0.4	0.0	80.3	76.3
Slovenia	576	68.8	3.4	22.5	4.3	68.8	0.9	0.0	68.6	69.1
Sweden	739	64.8	3.1	25.3	4.3	64.8	2.4	0.1	65.0	64.7
Syrian Arab Republic	665	47.6	6.1	34.9	8.3	47.6	2.9	0.2	51.0	43.5
Thailand	780	59.3	6.0	26.7	6.7	59.3	0.9	0.4	60.1	58.5
Tunisia	583	57.4	3.0	27.9	6.9	57.4	4.1	0.8	58.2	56.4
Turkey	634	59.6	3.7	30.1	5.9	59.6	0.6	0.1	63.3	56.3
Ukraine	638	56.8	5.7	30.6	4.8	56.8	2.0	0.0	61.4	51.9
United States	1050	63.7	4.0	24.5	6.7	63.7	0.9	0.2	61.5	65.8
International Avg.	639	57.5	5.1	28.0	6.5	57.5	2.5	0.4	58.9	55.9
Basque Country, Spain	328	54.6	5.5	32.6	5.3	54.6	2.0	0.0	49.1	60.2
British Columbia, Canada	602	68.8	3.1	22.8	4.0	68.8	1.2	0.0	69.1	68.6
Dubai, UAE	454	65.6	1.8	25.2	3.6	65.6	3.3	0.6	65.2	65.9
Massachusetts, US	264	74.4	3.6	17.5	3.0	74.4	1.2	0.3	75.8	73.3
Minnesota, US	254	72.2	2.0	21.3	4.1	72.2	0.0	0.3	68.0	76.8
Ontario, Canada	493	65.2	1.5	28.5	3.7	65.2	0.8	0.3	66.8	63.7
Quebec, Canada	552	72.1	2.0	20.7	3.4	72.1	1.7	0.0	69.9	74.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S022022 - S03_04)
 Label: Current/voltage table
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	768	40.9	30.0	17.5	10.4	1.3	40.9	30.6	50.3
Armenia	669	59.2	23.7	5.3	11.6	0.2	59.2	63.8	55.1
Australia	585	53.1	38.1	2.8	5.8	0.3	53.1	46.4	58.2
Bahrain	611	23.9	50.4	15.2	9.9	0.6	23.9	22.5	25.2
Bosnia and Herzegovina	602	41.1	35.6	4.1	19.0	0.1	41.1	36.0	46.4
Botswana	589	15.4	60.6	11.8	10.6	1.6	15.4	17.0	13.6
Bulgaria	441	35.6	33.0	6.4	25.0	0.0	35.6	32.6	38.1
Chinese Taipei	584	67.3	27.4	2.9	2.4	0.0	67.3	62.5	71.5
Colombia	704	28.2	43.5	12.6	11.5	4.3	28.2	20.3	36.2
Cyprus	637	59.2	13.6	17.0	10.2	0.0	59.2	54.7	63.4
Czech Republic	701	54.9	33.6	4.7	6.6	0.2	54.9	48.4	61.2
Egypt	940	34.1	48.9	11.4	5.5	0.1	34.1	31.5	36.7
El Salvador	579	16.1	39.6	13.2	27.5	3.5	16.1	12.4	20.1
England	567	62.3	31.4	1.6	4.8	0.0	62.3	58.4	66.7
Georgia	602	24.5	25.6	6.1	43.5	0.3	24.5	22.9	26.4
Ghana	746	17.7	46.8	12.8	21.0	1.7	17.7	17.3	18.0
Hong Kong SAR	483	64.3	30.3	2.6	2.4	0.4	64.3	62.2	66.5
Hungary	582	66.2	23.8	5.2	4.7	0.1	66.2	62.9	69.6
Indonesia	596	38.1	31.5	16.5	12.9	1.0	38.1	35.9	40.5
Iran, Islamic Rep. of	560	34.4	42.5	13.6	9.1	0.4	34.4	31.0	37.3
Israel	478	48.8	25.2	8.5	16.1	1.4	48.8	43.1	55.5
Italy	624	53.7	25.3	4.8	14.8	1.4	53.7	43.7	62.2
Japan	611	61.4	34.3	2.6	1.4	0.2	61.4	60.5	62.4
Jordan	745	29.7	48.9	14.1	6.8	0.5	29.7	26.2	32.8
Korea, Rep. of	601	67.2	30.4	1.6	0.7	0.0	67.2	64.6	69.6
Kuwait	574	18.0	48.0	20.0	13.7	0.3	18.0	14.3	22.2
Lebanon	542	53.5	29.6	7.4	9.5	0.0	53.5	49.6	58.7
Lithuania	569	54.5	34.2	3.0	8.3	0.0	54.5	49.4	59.0
Malaysia	633	52.4	36.6	7.8	2.6	0.6	52.4	54.5	49.9
Malta	661	47.1	40.9	6.1	5.9	0.0	47.1	41.5	52.9
Morocco	449	52.2	29.6	6.6	10.1	1.5	52.2	43.9	61.4
Norway	659	48.7	35.9	5.5	9.9	0.0	48.7	42.1	54.9
Oman	677	23.6	47.6	17.9	10.5	0.4	23.6	21.8	25.8
Palestinian Nat'l Auth.	629	25.6	47.0	19.1	8.0	0.3	25.6	23.1	28.1
Qatar	1021	15.9	38.4	23.5	22.1	0.0	15.9	14.6	17.3
Romania	603	42.8	40.7	5.1	10.5	0.8	42.8	40.3	45.2
Russian Federation	637	54.6	31.6	4.6	8.7	0.5	54.6	49.7	59.9
Saudi Arabia	606	17.1	48.6	22.5	11.4	0.4	17.1	16.5	17.6
Scotland	593	45.2	45.8	3.9	4.8	0.3	45.2	36.7	53.5
Serbia	578	44.2	38.4	4.3	13.0	0.1	44.2	39.5	48.9
Singapore	664	67.7	27.9	2.8	1.7	0.0	67.7	67.8	67.6
Slovenia	576	62.0	27.2	6.3	4.4	0.0	62.0	55.0	69.4
Sweden	739	64.5	23.6	3.1	8.6	0.3	64.5	58.5	69.7
Syrian Arab Republic	665	38.5	40.5	10.4	10.4	0.3	38.5	34.1	43.6
Thailand	780	37.5	43.4	10.5	8.2	0.4	37.5	36.2	38.7
Tunisia	583	42.3	38.0	8.4	10.5	0.8	42.3	36.7	48.9
Turkey	634	38.6	37.4	12.4	11.5	0.1	38.6	36.4	40.6
Ukraine	638	43.3	41.2	7.2	8.1	0.2	43.3	39.6	47.3
United States	1050	45.5	49.0	2.3	2.8	0.3	45.5	42.6	48.4
International Avg.	640	43.5	36.6	8.9	10.4	0.6	43.5	39.8	47.2
Basque Country, Spain	328	58.5	28.7	4.1	8.8	0.0	58.5	51.0	66.0
British Columbia, Canada	602	55.4	36.9	3.2	4.5	0.0	55.4	46.6	63.8
Dubai, UAE	455	43.0	39.2	7.7	9.5	0.6	43.0	43.6	42.4
Massachusetts, US	264	61.4	33.7	0.8	3.8	0.3	61.4	58.3	64.0
Minnesota, US	254	53.0	43.2	1.6	1.9	0.3	53.0	45.3	61.4
Ontario, Canada	493	47.3	46.7	2.4	3.3	0.3	47.3	44.8	49.7
Quebec, Canada	552	62.5	27.9	4.7	4.5	0.4	62.5	57.1	68.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S022019 - S03_05)
 Label: Transmission of sound on the moon
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	770	46.1	12.4	4.9	46.1	30.0	5.1	1.6	41.3	50.5
Armenia	669	69.2	7.1	3.4	69.2	10.0	10.0	0.2	72.3	66.4
Australia	585	73.0	12.9	3.7	73.0	9.1	0.8	0.4	68.0	76.8
Bahrain	611	72.2	7.4	5.7	72.2	11.8	2.2	0.6	79.5	65.2
Bosnia and Herzegovina	602	71.3	13.4	1.8	71.3	7.9	5.5	0.1	70.3	72.3
Botswana	589	50.4	14.3	12.2	50.4	17.7	2.7	2.6	52.3	48.4
Bulgaria	441	57.5	21.7	6.7	57.5	11.6	2.6	0.0	52.8	61.3
Chinese Taipei	584	88.7	5.6	1.0	88.7	4.8	0.0	0.0	85.3	91.7
Colombia	704	46.4	20.8	4.8	46.4	18.9	3.7	5.3	42.2	50.7
Cyprus	637	47.7	30.4	8.0	47.7	12.7	1.2	0.0	46.4	48.9
Czech Republic	701	73.8	10.6	2.1	73.8	11.6	1.7	0.2	74.1	73.4
Egypt	940	60.2	13.8	9.5	60.2	15.6	0.8	0.1	60.9	59.5
El Salvador	578	50.1	14.8	6.2	50.1	22.7	2.5	3.7	42.9	57.9
England	567	77.1	13.3	1.4	77.1	6.9	1.0	0.3	75.2	79.2
Georgia	602	49.5	13.3	6.5	49.5	25.7	4.8	0.3	45.7	53.9
Ghana	746	34.1	19.2	19.3	34.1	21.6	3.9	1.9	36.7	31.9
Hong Kong SAR	483	84.0	7.3	3.5	84.0	4.2	0.7	0.4	85.1	82.8
Hungary	582	80.2	10.2	1.8	80.2	6.8	0.8	0.1	78.0	82.5
Indonesia	596	66.8	13.5	5.5	66.8	12.2	0.9	1.2	63.9	69.9
Iran, Islamic Rep. of	560	54.7	15.6	4.9	54.7	21.5	2.7	0.6	55.8	53.8
Israel	478	62.8	15.8	6.4	62.8	8.9	4.4	1.7	62.9	62.7
Italy	622	67.4	14.5	2.8	67.4	12.3	1.4	1.5	65.1	69.4
Japan	611	82.0	9.1	2.9	82.0	5.2	0.7	0.2	82.8	81.3
Jordan	745	73.3	9.1	3.3	73.3	13.0	0.7	0.5	76.8	70.1
Korea, Rep. of	601	90.2	3.4	1.2	90.2	5.1	0.2	0.0	89.0	91.2
Kuwait	575	69.1	11.1	7.6	69.1	9.8	2.1	0.3	73.2	64.3
Lebanon	535	52.5	13.3	12.2	52.5	15.1	6.8	0.1	46.2	60.5
Lithuania	567	83.3	4.6	2.2	83.3	9.2	0.7	0.0	81.0	85.4
Malaysia	633	62.8	25.5	4.5	62.8	6.2	0.2	0.7	55.3	71.3
Malta	662	70.7	15.9	5.6	70.7	6.4	1.4	0.0	72.5	68.8
Morocco	448	44.0	17.2	8.0	44.0	26.0	3.1	1.7	41.5	46.7
Norway	659	61.8	19.6	3.3	61.8	12.9	2.2	0.2	60.9	62.7
Oman	677	64.1	12.5	7.1	64.1	14.3	1.5	0.5	69.6	57.8
Palestinian Nat'l Auth.	629	60.1	14.7	10.1	60.1	14.0	0.7	0.3	62.6	57.6
Qatar	1021	44.0	16.9	21.6	44.0	16.0	1.5	0.0	49.5	38.3
Romania	603	67.9	15.7	2.7	67.9	11.2	1.7	0.8	63.8	71.7
Russian Federation	637	72.6	9.5	3.5	72.6	11.8	1.9	0.7	69.3	76.2
Saudi Arabia	605	58.3	14.1	6.8	58.3	19.6	0.9	0.4	61.3	55.5
Scotland	593	70.7	16.1	2.1	70.7	9.3	1.6	0.3	67.0	74.2
Serbia	577	71.1	15.5	4.2	71.1	6.5	2.4	0.3	71.2	71.1
Singapore	664	77.1	12.7	3.9	77.1	5.7	0.6	0.0	77.2	77.0
Slovenia	576	78.1	10.3	1.6	78.1	8.7	1.2	0.0	78.5	77.8
Sweden	739	81.2	8.8	1.9	81.2	6.8	1.0	0.3	78.5	83.6
Syrian Arab Republic	665	62.4	15.0	5.5	62.4	15.1	1.8	0.3	60.6	64.5
Thailand	780	54.1	22.0	6.8	54.1	15.8	1.0	0.4	54.9	53.3
Tunisia	583	51.5	23.0	4.0	51.5	16.7	3.7	1.0	49.2	54.3
Turkey	634	56.7	19.5	5.8	56.7	17.2	0.7	0.1	56.0	57.4
Ukraine	638	58.8	15.0	4.1	58.8	19.7	2.3	0.2	54.3	63.7
United States	1050	71.2	16.3	3.2	71.2	8.7	0.3	0.3	66.5	75.9
International Avg.	640	64.7	14.2	5.5	64.7	12.9	2.1	0.7	63.8	65.7
Basque Country, Spain	328	64.8	21.4	1.2	64.8	10.8	1.8	0.0	61.3	68.3
British Columbia, Canada	602	70.4	13.3	2.3	70.4	12.3	1.6	0.0	69.0	71.8
Dubai, UAE	455	77.6	9.5	4.0	77.6	6.2	2.1	0.7	78.0	77.1
Massachusetts, US	264	70.6	16.2	1.7	70.6	10.3	0.9	0.3	63.3	76.7
Minnesota, US	254	64.4	23.5	1.7	64.4	10.1	0.0	0.3	56.3	73.2
Ontario, Canada	493	75.1	11.9	1.4	75.1	9.6	1.7	0.3	76.0	74.3
Quebec, Canada	552	73.0	10.9	3.1	73.0	11.4	1.2	0.5	70.8	75.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S022002 - S03_06)
 Label: Heat conductivity experiment
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	769	42.0	16.9	6.4	42.0	29.8	2.9	1.9	40.8	43.2
Armenia	670	50.4	16.3	3.3	50.4	21.7	7.2	1.1	50.1	50.7
Australia	585	60.5	12.8	4.2	60.5	21.5	0.6	0.4	57.1	63.1
Bahrain	611	46.7	12.5	8.5	46.7	31.2	0.5	0.6	49.0	44.4
Bosnia and Herzegovina	602	48.0	19.1	4.7	48.0	26.6	1.6	0.1	43.1	52.9
Botswana	589	35.4	14.2	7.7	35.4	37.3	2.4	3.0	33.0	38.1
Bulgaria	441	46.6	15.1	9.3	46.6	24.7	4.3	0.0	47.4	46.0
Chinese Taipei	584	74.9	2.9	4.4	74.9	17.4	0.5	0.0	69.2	79.9
Colombia	704	31.2	11.3	2.4	31.2	46.3	2.7	6.1	30.3	32.2
Cyprus	637	56.9	17.1	6.5	56.9	18.3	1.2	0.0	53.5	60.1
Czech Republic	701	56.8	21.1	3.5	56.8	17.6	0.8	0.2	56.5	57.2
Egypt	934	38.1	17.0	11.1	38.1	32.6	1.0	0.2	35.8	40.5
El Salvador	578	33.3	14.1	6.8	33.3	39.0	2.4	4.3	26.2	40.8
England	567	66.3	6.4	4.1	66.3	22.7	0.2	0.3	58.6	75.1
Georgia	602	29.2	11.6	6.2	29.2	47.1	5.6	0.3	28.5	30.0
Ghana	746	28.0	25.2	11.1	28.0	31.0	2.5	2.1	27.2	28.7
Hong Kong SAR	483	55.2	5.7	6.7	55.2	31.5	0.5	0.4	51.8	58.7
Hungary	582	56.9	16.5	4.0	56.9	22.0	0.5	0.1	47.1	67.2
Indonesia	597	21.0	7.0	3.2	21.0	65.7	2.0	1.2	20.4	21.7
Iran, Islamic Rep. of	560	45.3	8.8	2.7	45.3	39.9	2.2	1.1	49.1	42.0
Israel	478	59.6	11.6	6.3	59.6	18.0	2.7	1.8	59.7	59.5
Italy	621	44.7	13.0	5.1	44.7	33.9	1.8	1.5	36.2	51.9
Japan	611	67.7	9.3	6.6	67.7	15.3	0.8	0.2	67.9	67.5
Jordan	745	44.6	12.7	2.7	44.6	38.4	1.1	0.5	41.6	47.3
Korea, Rep. of	601	60.1	8.4	12.7	60.1	18.7	0.2	0.0	59.9	60.2
Kuwait	574	43.3	14.0	9.3	43.3	30.1	2.5	0.8	41.2	45.8
Lebanon	535	33.9	20.5	13.4	33.9	28.5	3.6	0.1	33.4	34.6
Lithuania	568	40.1	20.0	9.1	40.1	30.1	0.7	0.0	37.9	42.0
Malaysia	633	54.7	9.7	4.1	54.7	30.3	0.2	0.9	56.2	53.1
Malta	661	45.7	12.9	8.4	45.7	32.2	0.8	0.0	40.0	51.5
Morocco	445	38.4	14.8	9.2	38.4	34.0	1.9	1.7	35.7	41.3
Norway	659	44.2	17.2	6.1	44.2	31.4	1.1	0.2	44.1	44.2
Oman	677	39.9	13.1	7.0	39.9	38.5	0.8	0.6	42.4	37.2
Palestinian Nat'l Auth.	630	41.4	11.8	9.2	41.4	36.5	0.7	0.3	40.1	42.7
Qatar	1021	36.5	18.9	16.3	36.5	27.3	1.0	0.1	38.3	34.6
Romania	603	47.4	18.7	2.8	47.4	29.0	1.0	1.1	45.3	49.4
Russian Federation	637	63.3	16.0	3.1	63.3	15.8	0.9	0.9	58.2	68.8
Saudi Arabia	605	30.9	17.8	8.3	30.9	41.7	0.9	0.4	32.8	29.2
Scotland	593	60.9	10.4	4.8	60.9	23.3	0.3	0.3	55.4	66.3
Serbia	576	44.1	18.9	4.4	44.1	30.2	2.2	0.3	39.1	49.1
Singapore	664	78.6	2.6	2.4	78.6	16.1	0.3	0.0	78.3	78.9
Slovenia	576	52.9	18.9	8.3	52.9	18.9	1.0	0.0	47.9	58.2
Sweden	739	61.3	14.4	3.0	61.3	19.8	0.9	0.5	63.6	59.3
Syrian Arab Republic	665	35.8	19.2	4.7	35.8	39.0	1.0	0.3	29.0	43.8
Thailand	780	52.8	18.4	3.9	52.8	23.9	0.6	0.4	49.8	55.9
Tunisia	583	34.2	9.4	3.1	34.2	50.6	1.5	1.3	29.3	39.9
Turkey	634	37.5	10.8	6.9	37.5	43.7	1.1	0.1	36.4	38.5
Ukraine	638	50.6	21.6	4.0	50.6	22.2	1.5	0.2	49.5	51.8
United States	1050	57.0	9.8	4.6	57.0	28.1	0.1	0.3	55.0	59.1
International Avg.	640	47.4	14.0	6.3	47.4	30.0	1.5	0.8	45.3	49.7
Basque Country, Spain	328	47.6	11.4	6.7	47.6	32.6	1.7	0.0	36.1	59.2
British Columbia, Canada	602	53.2	12.6	5.5	53.2	27.8	0.8	0.0	45.9	60.2
Dubai, UAE	455	61.0	9.5	4.6	61.0	22.1	2.1	0.7	57.5	64.6
Massachusetts, US	264	67.2	6.8	0.9	67.2	24.2	0.7	0.3	64.7	69.2
Minnesota, US	254	57.7	11.4	4.1	57.7	26.1	0.4	0.3	57.2	58.2
Ontario, Canada	493	61.0	8.3	4.2	61.0	25.3	0.8	0.4	57.2	64.6
Quebec, Canada	552	52.5	11.3	5.0	52.5	30.2	0.5	0.5	45.8	59.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S022294 - S03_07)
 Label: Energy for Earth's water cycle
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	43.0	3.4	43.0	27.8	21.2	2.4	2.2	36.2	49.2
Armenia	665	60.2	2.3	60.2	11.7	20.1	4.5	1.2	63.7	57.0
Australia	585	71.2	5.9	71.2	10.1	11.2	1.2	0.4	65.5	75.6
Bahrain	611	63.0	2.2	63.0	19.1	13.9	0.9	0.9	64.2	61.9
Bosnia and Herzegovina	602	70.4	4.6	70.4	11.7	12.5	0.7	0.1	69.5	71.4
Botswana	592	61.3	6.1	61.3	8.4	19.4	1.0	3.8	60.7	61.9
Bulgaria	442	65.1	5.2	65.1	17.1	9.7	2.9	0.0	65.1	65.0
Chinese Taipei	584	83.4	0.9	83.4	9.3	5.9	0.5	0.0	78.7	87.6
Colombia	704	44.2	2.9	44.2	22.6	22.3	1.0	7.1	33.7	54.9
Cyprus	637	60.3	2.2	60.3	14.2	23.0	0.3	0.0	59.0	61.5
Czech Republic	701	74.2	3.8	74.2	13.0	8.1	0.8	0.2	69.7	78.5
Egypt	938	57.6	3.9	57.6	22.6	15.1	0.7	0.2	51.7	63.5
El Salvador	578	41.6	4.1	41.6	31.6	15.3	3.0	4.5	33.6	50.2
England	567	61.2	5.4	61.2	20.8	11.6	0.7	0.3	57.7	65.2
Georgia	602	54.9	2.2	54.9	31.3	8.0	3.1	0.5	44.1	67.2
Ghana	746	47.2	12.5	47.2	8.7	27.3	1.5	2.8	45.6	48.5
Hong Kong SAR	483	80.7	1.5	80.7	12.3	5.1	0.0	0.4	77.9	83.5
Hungary	582	75.6	1.4	75.6	2.2	19.8	0.8	0.2	70.2	81.3
Indonesia	597	43.7	1.8	43.7	25.9	25.8	1.3	1.5	40.4	47.3
Iran, Islamic Rep. of	560	55.4	2.5	55.4	28.7	10.7	1.2	1.6	51.0	59.3
Israel	478	64.3	2.7	64.3	12.9	16.1	2.2	1.8	59.2	70.3
Italy	622	63.2	3.1	63.2	19.7	10.6	1.8	1.7	58.0	67.6
Japan	611	77.4	1.6	77.4	11.1	9.1	0.6	0.2	73.2	81.8
Jordan	745	71.0	1.4	71.0	12.6	13.7	0.9	0.5	67.1	74.6
Korea, Rep. of	601	61.6	4.1	61.6	14.8	19.3	0.2	0.0	55.6	67.0
Kuwait	575	67.5	2.6	67.5	15.2	12.3	1.4	1.1	69.8	64.8
Lebanon	540	69.4	3.8	69.4	10.6	14.8	1.1	0.2	72.1	65.9
Lithuania	567	59.3	7.3	59.3	15.9	16.7	0.8	0.0	53.9	64.0
Malaysia	633	57.2	0.6	57.2	26.4	14.0	0.8	0.9	54.0	60.8
Malta	661	81.6	1.9	81.6	5.7	10.3	0.5	0.0	79.4	83.9
Morocco	446	44.6	1.2	44.6	27.8	23.1	1.6	1.7	35.5	54.6
Norway	659	72.6	6.8	72.6	9.2	10.4	0.9	0.2	72.9	72.3
Oman	677	73.6	1.7	73.6	9.8	13.3	1.0	0.6	75.7	71.1
Palestinian Nat'l Auth.	629	61.7	2.8	61.7	13.2	20.7	1.3	0.3	63.9	59.4
Qatar	1021	59.4	6.8	59.4	14.7	18.0	1.1	0.1	63.0	55.7
Romania	603	44.2	1.8	44.2	32.8	19.3	0.8	1.1	38.6	49.6
Russian Federation	637	67.8	3.2	67.8	12.6	13.7	1.9	0.9	63.2	72.7
Saudi Arabia	606	63.6	1.6	63.6	14.4	19.2	0.5	0.6	68.7	59.1
Scotland	593	59.4	5.3	59.4	19.3	14.8	0.9	0.3	53.4	65.2
Serbia	572	73.3	1.5	73.3	17.6	6.4	0.9	0.3	69.9	76.7
Singapore	664	75.7	1.7	75.7	12.3	10.3	0.0	0.0	73.6	77.5
Slovenia	576	76.8	7.1	76.8	5.1	10.1	0.9	0.0	73.6	80.2
Sweden	739	72.2	10.5	72.2	6.3	10.0	0.4	0.5	74.3	70.4
Syrian Arab Republic	665	47.0	0.9	47.0	31.1	20.2	0.4	0.3	43.6	51.0
Thailand	780	63.3	7.7	63.3	14.1	13.8	0.5	0.5	62.3	64.4
Tunisia	583	53.3	1.0	53.3	20.4	19.9	3.8	1.5	46.5	61.5
Turkey	634	56.9	1.9	56.9	26.9	13.9	0.2	0.1	50.1	62.9
Ukraine	638	68.6	2.6	68.6	13.3	14.1	1.0	0.3	60.8	77.1
United States	1050	61.4	5.3	61.4	19.5	13.2	0.2	0.3	59.6	63.1
International Avg.	640	62.9	3.6	62.9	16.6	14.8	1.2	0.9	59.8	66.0
Basque Country, Spain	328	62.6	7.5	62.6	17.2	12.3	0.4	0.0	56.2	69.1
British Columbia, Canada	602	72.1	6.5	72.1	10.3	9.9	1.3	0.0	68.6	75.5
Dubai, UAE	455	72.7	1.9	72.7	9.5	13.5	1.6	0.7	75.3	70.1
Massachusetts, US	264	69.9	4.0	69.9	17.8	7.2	0.8	0.3	68.6	71.0
Minnesota, US	254	63.8	6.1	63.8	15.2	14.6	0.0	0.3	57.5	70.6
Ontario, Canada	493	76.5	4.9	76.5	7.3	9.8	1.0	0.4	77.4	75.8
Quebec, Canada	552	67.1	4.2	67.1	14.7	12.4	1.2	0.5	64.1	70.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Reasoning (S022244 - S03_09)
 Label: Acid rain from sulfur dioxide
 Type: CR Key: -

COUNTRY	N	10	11	19	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	765	5.6	3.2	4.2	4.8	34.3	45.3	2.6	13.0	13.9	12.1
Armenia	670	14.5	2.5	2.5	5.7	10.7	62.8	1.2	19.6	21.6	17.7
Australia	584	5.2	27.1	0.0	12.7	23.0	31.5	0.4	32.4	23.4	39.3
Bahrain	611	10.3	6.0	0.9	11.1	29.0	41.5	1.3	17.2	20.3	14.2
Bosnia and Herzegovina	602	2.4	17.5	0.6	7.1	18.8	53.5	0.1	20.5	20.6	20.5
Botswana	592	0.8	2.0	0.2	2.1	60.6	29.2	5.1	3.1	2.9	3.2
Bulgaria	442	11.9	8.9	2.0	12.7	13.5	51.0	0.0	22.8	26.3	20.0
Chinese Taipei	584	6.6	23.8	5.1	6.8	38.5	19.2	0.0	35.5	33.4	37.3
Colombia	704	1.2	5.4	0.0	10.7	37.8	37.4	7.5	6.6	3.5	9.9
Cyprus	637	3.1	3.7	0.0	8.6	24.0	60.6	0.0	6.8	8.1	5.6
Czech Republic	701	5.1	19.0	0.7	8.1	37.2	29.8	0.2	24.7	22.3	27.0
Egypt	941	9.0	7.7	0.0	11.0	49.0	22.7	0.5	16.8	16.5	17.0
El Salvador	579	1.2	2.6	0.0	10.0	31.7	47.8	6.7	3.8	2.2	5.5
England	567	8.3	29.5	0.0	9.4	30.3	22.2	0.3	37.7	36.2	39.5
Georgia	602	6.6	4.7	0.4	1.8	11.7	74.1	0.7	11.8	10.0	13.7
Ghana	746	1.2	1.8	0.0	3.7	20.6	69.7	3.0	3.0	3.7	2.4
Hong Kong SAR	483	8.8	32.6	0.9	4.7	34.5	18.2	0.4	42.3	41.0	43.6
Hungary	582	10.9	22.6	0.0	12.7	19.3	34.2	0.2	33.5	27.2	40.3
Indonesia	596	4.9	6.0	0.4	9.6	51.0	26.4	1.8	11.2	12.5	9.9
Iran, Islamic Rep. of	564	6.0	8.6	0.6	19.3	22.3	40.9	2.2	15.2	17.5	13.2
Israel	478	4.7	11.6	0.7	8.3	25.3	47.5	1.8	17.0	14.1	20.4
Italy	624	4.8	21.3	0.9	8.6	18.9	43.4	2.1	27.0	22.6	30.7
Japan	611	9.9	29.1	0.0	14.1	29.1	17.6	0.2	39.0	38.0	40.0
Jordan	745	17.4	11.7	1.0	8.5	45.3	15.6	0.5	30.1	29.1	31.0
Korea, Rep. of	601	11.4	36.3	0.0	8.2	31.3	12.7	0.0	47.7	46.4	48.9
Kuwait	575	2.2	2.1	1.1	3.1	30.6	59.3	1.6	5.4	5.6	5.2
Lebanon	542	4.1	3.6	1.5	4.9	25.3	60.4	0.2	9.2	8.6	9.9
Lithuania	569	7.1	32.4	2.7	13.9	20.2	23.8	0.0	42.2	40.4	43.8
Malaysia	633	3.1	10.2	2.5	8.8	52.5	21.8	1.2	15.8	16.1	15.4
Malta	662	3.7	18.6	0.0	5.0	32.1	40.5	0.1	22.3	21.3	23.2
Morocco	448	1.3	4.2	2.0	4.0	28.0	58.5	2.0	7.5	5.2	10.0
Norway	659	1.1	18.8	0.0	12.4	38.0	29.4	0.3	19.9	20.6	19.3
Oman	677	5.0	5.3	0.4	19.7	48.3	20.5	0.9	10.7	15.3	5.4
Palestinian Nat'l Auth.	630	3.4	6.0	1.4	13.5	53.0	22.3	0.5	10.8	10.1	11.5
Qatar	1021	0.5	1.7	0.2	4.8	42.4	50.4	0.1	2.3	2.9	1.8
Romania	603	11.5	4.7	2.9	6.3	18.8	54.8	1.1	19.1	20.4	17.9
Russian Federation	637	14.8	10.1	0.0	11.7	25.2	37.2	1.0	24.9	22.7	27.3
Saudi Arabia	606	6.8	0.9	0.3	4.0	45.5	41.9	0.6	8.0	12.7	3.7
Scotland	593	3.1	24.4	0.0	6.3	31.4	34.3	0.4	27.6	23.0	32.0
Serbia	577	5.9	9.9	0.2	12.4	23.1	48.1	0.4	16.0	15.0	16.9
Singapore	664	11.3	36.0	0.1	9.4	31.8	11.4	0.0	47.4	47.5	47.3
Slovenia	576	1.9	36.2	0.0	8.5	32.0	21.4	0.0	38.1	36.7	39.6
Sweden	739	2.2	22.1	0.0	6.4	35.8	32.8	0.7	24.3	21.8	26.6
Syrian Arab Republic	664	7.5	5.1	0.6	6.3	38.1	42.1	0.4	13.1	11.0	15.5
Thailand	780	8.9	7.7	1.2	7.3	39.5	34.5	0.8	17.9	19.1	16.6
Tunisia	583	1.5	3.1	0.0	5.3	44.5	43.7	2.0	4.6	4.2	4.9
Turkey	634	4.6	5.4	0.4	13.3	29.1	47.1	0.1	10.5	12.4	8.8
Ukraine	638	4.7	8.4	4.9	19.8	18.8	42.9	0.5	18.0	17.2	18.8
United States	1050	1.8	21.2	0.0	19.0	43.2	14.5	0.3	23.0	19.4	26.7
International Avg.	640	5.9	13.1	0.9	9.1	32.1	37.7	1.1	19.9	19.2	20.6
Basque Country, Spain	328	4.8	9.4	0.4	16.6	28.6	40.3	0.0	14.5	12.0	17.0
British Columbia, Canada	602	3.7	22.9	0.0	17.8	31.1	24.5	0.0	26.6	26.3	26.9
Dubai, UAE	455	12.6	9.3	1.6	9.6	33.1	33.0	0.7	23.5	23.0	24.1
Massachusetts, US	264	3.5	30.4	0.0	21.3	32.5	12.0	0.3	33.9	33.1	34.6
Minnesota, US	254	3.6	25.5	0.0	23.3	36.7	10.6	0.3	29.1	28.6	29.7
Ontario, Canada	493	2.8	27.8	0.2	21.4	26.1	21.1	0.7	30.7	25.6	35.6
Quebec, Canada	552	1.8	22.5	0.0	14.8	33.1	26.9	0.9	24.3	22.1	26.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S022150 - S03_10)
 Label: Organization in living things
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	770	25.9	25.9	22.7	29.3	12.9	5.3	3.9	25.1	26.5
Armenia	669	75.5	75.5	7.5	6.3	3.2	5.5	2.0	84.0	67.6
Australia	584	40.0	40.0	17.0	25.3	15.6	1.8	0.4	40.6	39.5
Bahrain	611	36.3	36.3	21.7	25.9	13.7	1.1	1.3	39.9	32.8
Bosnia and Herzegovina	602	74.0	74.0	8.3	12.3	3.4	1.8	0.2	75.0	73.1
Botswana	592	38.3	38.3	25.3	16.3	12.2	1.6	6.3	39.4	37.1
Bulgaria	442	61.4	61.4	10.9	18.1	5.9	2.9	0.8	57.0	65.0
Chinese Taipei	584	66.5	66.5	21.5	5.9	5.9	0.1	0.0	66.4	66.7
Colombia	704	44.4	44.4	16.0	15.7	13.8	1.6	8.4	38.2	50.6
Cyprus	637	41.3	41.3	19.8	27.7	10.2	0.9	0.1	43.8	39.1
Czech Republic	701	63.4	63.4	7.0	25.0	3.3	1.1	0.2	63.2	63.7
Egypt	940	42.6	42.6	20.3	21.3	14.7	0.6	0.5	45.5	39.8
El Salvador	579	30.8	30.8	21.9	21.3	15.7	1.8	8.5	29.1	32.7
England	567	48.9	48.9	14.4	27.5	7.6	1.3	0.4	45.4	52.9
Georgia	602	48.6	48.6	14.0	21.9	11.4	3.2	0.9	53.7	42.9
Ghana	746	39.1	39.1	28.1	17.2	9.7	2.3	3.6	39.3	39.0
Hong Kong SAR	483	38.6	38.6	16.9	21.3	22.4	0.4	0.4	36.6	40.7
Hungary	582	80.1	80.1	6.8	11.0	1.6	0.2	0.3	81.0	79.1
Indonesia	596	46.3	46.3	18.5	19.7	11.1	1.9	2.5	50.1	42.2
Iran, Islamic Rep. of	564	45.8	45.8	16.6	20.5	13.4	1.1	2.5	52.2	40.2
Israel	478	42.0	42.0	16.7	26.0	9.2	3.8	2.4	42.4	41.4
Italy	624	51.8	51.8	16.4	18.7	7.6	2.8	2.6	50.1	53.3
Japan	611	36.4	36.4	22.8	15.1	24.9	0.6	0.2	38.2	34.6
Jordan	745	46.6	46.6	16.0	24.4	10.8	1.2	0.9	47.3	46.1
Korea, Rep. of	601	71.8	71.8	11.0	12.3	4.9	0.2	0.0	73.0	70.7
Kuwait	575	41.8	41.8	17.5	25.6	11.0	2.4	1.8	47.4	35.5
Lebanon	540	36.5	36.5	21.5	27.8	10.2	3.2	0.7	37.1	35.7
Lithuania	569	62.9	62.9	10.4	18.4	7.7	0.4	0.3	64.9	61.0
Malaysia	633	59.0	59.0	13.8	19.8	5.7	0.3	1.5	59.5	58.3
Malta	662	44.7	44.7	20.0	21.6	9.8	3.6	0.3	46.2	43.0
Morocco	446	31.0	31.0	26.7	26.6	10.6	3.0	2.1	35.4	26.2
Norway	659	35.0	35.0	24.9	27.6	9.9	2.2	0.3	34.7	35.4
Oman	677	33.8	33.8	22.5	23.8	17.1	1.2	1.6	36.7	30.5
Palestinian Nat'l Auth.	630	32.9	32.9	20.2	29.3	15.9	1.0	0.8	35.2	30.6
Qatar	1021	23.3	23.3	31.9	29.4	14.0	1.3	0.1	23.4	23.3
Romania	603	54.3	54.3	14.9	22.7	5.6	1.5	1.1	60.9	48.1
Russian Federation	637	67.0	67.0	6.7	18.6	4.7	1.6	1.4	68.2	65.7
Saudi Arabia	606	29.2	29.2	22.4	31.8	15.2	0.8	0.6	29.5	29.0
Scotland	593	34.4	34.4	20.9	27.5	13.3	3.5	0.4	30.2	38.5
Serbia	575	77.5	77.5	5.1	12.1	3.7	1.1	0.5	79.9	75.2
Singapore	664	58.4	58.4	13.7	20.6	6.4	0.6	0.3	61.6	55.4
Slovenia	576	54.2	54.2	18.2	18.6	8.6	0.5	0.0	57.2	51.1
Sweden	739	46.7	46.7	23.9	19.7	7.0	1.9	0.8	46.2	47.2
Syrian Arab Republic	665	34.0	34.0	26.1	25.2	12.7	1.5	0.5	33.8	34.2
Thailand	780	50.1	50.1	11.3	22.9	13.8	0.9	1.1	52.7	47.5
Tunisia	582	27.3	27.3	22.5	35.1	9.2	3.4	2.5	26.9	27.7
Turkey	634	47.2	47.2	19.9	15.8	16.9	0.0	0.2	45.8	48.4
Ukraine	638	63.1	63.1	10.2	19.8	5.7	0.8	0.5	66.3	59.6
United States	1050	56.0	56.0	10.5	22.3	10.2	0.5	0.6	54.2	57.6
International Avg.	640	47.7	47.7	17.4	21.4	10.4	1.7	1.4	48.8	46.6
Basque Country, Spain	328	39.4	39.4	30.5	20.2	7.7	1.9	0.4	32.0	46.8
British Columbia, Canada	602	53.1	53.1	13.0	20.4	12.2	1.2	0.0	53.5	52.7
Dubai, UAE	455	59.2	59.2	14.1	18.6	5.8	1.6	0.7	56.6	61.9
Massachusetts, US	264	63.3	63.3	10.2	17.9	6.6	1.3	0.7	63.7	62.9
Minnesota, US	254	59.1	59.1	8.5	24.2	6.7	0.7	0.7	56.0	62.6
Ontario, Canada	493	51.3	51.3	11.1	21.4	14.0	1.2	1.0	45.5	56.8
Quebec, Canada	552	30.4	30.4	22.0	25.4	19.5	1.5	1.2	24.5	36.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S022042 - S03_11)
 Label: Graph interpretation of bicycle ride
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	22.6	38.0	22.6	17.9	14.0	3.4	4.1	17.5	27.4
Armenia	668	45.6	26.4	45.6	8.5	7.9	9.5	2.1	46.7	44.6
Australia	584	57.5	24.9	57.5	8.6	7.1	1.6	0.4	58.4	56.7
Bahrain	611	24.6	48.0	24.6	10.2	14.3	1.7	1.3	19.7	29.3
Bosnia and Herzegovina	602	40.7	37.4	40.7	12.3	7.4	2.0	0.2	34.6	46.9
Botswana	590	13.4	39.3	13.4	17.3	19.8	3.7	6.5	15.0	11.7
Bulgaria	442	44.8	33.6	44.8	9.8	7.6	3.1	1.1	43.4	46.1
Chinese Taipei	584	68.7	16.8	68.7	7.1	7.2	0.1	0.0	64.4	72.6
Colombia	704	24.7	45.6	24.7	12.6	5.6	2.9	8.6	21.1	28.4
Cyprus	637	46.1	32.7	46.1	12.2	7.8	1.1	0.1	45.2	46.9
Czech Republic	701	61.6	26.8	61.6	5.1	5.2	1.1	0.2	61.6	61.5
Egypt	940	27.5	38.8	27.5	17.5	14.4	1.3	0.5	27.4	27.6
El Salvador	579	19.9	52.5	19.9	9.1	8.3	1.5	8.7	19.4	20.4
England	567	69.5	20.6	69.5	5.7	3.5	0.2	0.4	70.4	68.6
Georgia	602	34.8	42.9	34.8	9.0	7.5	4.9	0.9	32.9	36.9
Ghana	746	15.8	46.6	15.8	16.2	15.6	2.2	3.6	17.8	14.2
Hong Kong SAR	483	75.9	12.4	75.9	5.2	5.7	0.4	0.4	77.1	74.6
Hungary	582	64.3	25.6	64.3	4.0	5.6	0.1	0.3	61.6	67.3
Indonesia	597	25.5	43.7	25.5	14.6	11.7	1.9	2.6	24.8	26.1
Iran, Islamic Rep. of	565	25.9	48.7	25.9	12.9	7.8	2.1	2.5	23.7	27.8
Israel	478	44.5	27.9	44.5	10.9	11.8	2.5	2.4	42.7	46.7
Italy	623	40.9	37.2	40.9	9.3	7.6	2.4	2.6	37.0	44.3
Japan	611	78.2	10.1	78.2	6.9	4.1	0.6	0.2	76.5	79.8
Jordan	745	29.4	41.8	29.4	16.0	10.7	1.2	0.9	26.2	32.2
Korea, Rep. of	601	74.0	15.8	74.0	7.6	2.5	0.2	0.0	74.0	73.9
Kuwait	575	22.9	46.8	22.9	15.2	11.6	1.7	1.8	18.7	27.7
Lebanon	539	23.0	32.1	23.0	17.7	21.3	5.2	0.7	21.8	24.6
Lithuania	568	59.4	24.0	59.4	7.1	8.3	0.9	0.3	52.7	65.4
Malaysia	633	49.2	24.4	49.2	12.8	11.1	0.9	1.5	48.8	49.7
Malta	662	48.2	31.0	48.2	8.9	10.5	0.9	0.5	49.0	47.4
Morocco	446	28.6	44.0	28.6	12.4	11.3	1.6	2.1	27.0	30.4
Norway	659	48.8	33.2	48.8	5.6	9.9	1.9	0.7	48.2	49.4
Oman	677	17.4	46.4	17.4	18.7	14.3	1.6	1.6	11.1	24.6
Palestinian Nat'l Auth.	630	24.0	46.1	24.0	16.1	10.6	2.4	0.8	20.2	27.8
Qatar	1021	20.7	44.6	20.7	18.9	14.7	1.0	0.1	19.4	22.0
Romania	602	33.5	48.9	33.5	10.3	3.6	2.6	1.1	29.7	37.1
Russian Federation	637	60.3	19.7	60.3	10.2	7.8	0.6	1.5	56.3	64.5
Saudi Arabia	606	14.4	59.0	14.4	14.6	9.9	1.4	0.6	14.1	14.7
Scotland	593	57.8	29.1	57.8	4.5	7.7	0.5	0.4	56.4	59.2
Serbia	576	56.1	25.3	56.1	8.1	8.3	1.8	0.5	48.9	63.1
Singapore	664	71.4	13.3	71.4	8.4	6.1	0.4	0.3	74.5	68.7
Slovenia	576	62.6	24.4	62.6	4.9	7.2	0.8	0.0	60.3	65.1
Sweden	739	71.4	16.6	71.4	4.1	6.1	1.0	0.8	68.8	73.7
Syrian Arab Republic	664	19.4	54.5	19.4	17.3	6.7	1.6	0.5	16.3	23.1
Thailand	780	44.4	25.2	44.4	17.2	11.3	0.9	1.1	42.5	46.3
Tunisia	583	31.5	37.1	31.5	14.3	12.3	2.2	2.6	26.5	37.4
Turkey	634	32.8	41.6	32.8	16.4	8.6	0.3	0.2	28.9	36.3
Ukraine	638	51.5	30.4	51.5	10.2	6.9	0.4	0.5	48.4	55.0
United States	1050	58.2	20.9	58.2	10.0	9.7	0.6	0.6	55.0	61.4
International Avg.	640	42.5	33.7	42.5	11.2	9.3	1.7	1.5	40.5	44.6
Basque Country, Spain	328	60.4	22.2	60.4	4.8	10.4	1.7	0.4	54.6	66.2
British Columbia, Canada	602	58.9	22.6	58.9	8.2	8.9	1.3	0.0	59.9	58.0
Dubai, UAE	454	36.4	33.1	36.4	14.9	12.8	2.0	0.7	30.4	42.6
Massachusetts, US	264	70.2	13.4	70.2	5.0	8.5	2.1	0.7	71.0	69.5
Minnesota, US	254	68.1	16.3	68.1	4.7	9.6	0.6	0.7	69.3	66.7
Ontario, Canada	493	55.9	19.7	55.9	10.8	10.8	1.6	1.3	49.5	61.8
Quebec, Canada	552	65.7	15.7	65.7	7.6	7.9	1.6	1.5	62.1	69.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S022289 - S03_12)
 Label: Heart rate increasing with exercise
 Type: CR Key: -

COUNTRY	N	20	29	10	11	12	19	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	768	0.9	0.8	5.9	7.8	0.7	8.9	11.8	39.8	18.7	4.6	25.0	1.7	2.9	0.7
Armenia	668	10.0	11.3	12.6	12.2	0.8	3.8	1.0	13.0	31.9	3.4	50.7	21.3	22.5	20.3
Australia	584	13.2	0.0	10.3	46.0	0.7	0.2	8.9	12.6	7.8	0.4	70.3	13.2	14.5	12.2
Bahrain	611	6.8	0.3	9.5	18.4	1.2	2.8	28.6	18.3	12.1	1.9	39.1	7.2	11.5	3.1
Bosnia and Herzegovina	602	2.9	0.0	12.0	23.8	0.4	0.9	27.2	18.9	13.2	0.9	39.9	2.9	2.4	3.4
Botswana	590	2.2	0.1	2.7	17.6	0.1	0.3	7.6	51.2	9.3	8.8	23.1	2.3	2.1	2.6
Bulgaria	442	6.6	0.0	5.6	16.5	0.1	4.6	25.2	10.9	28.9	1.7	33.3	6.6	3.7	9.0
Chinese Taipei	584	17.3	0.7	14.0	18.8	0.3	2.8	17.1	17.0	11.9	0.0	54.0	18.0	14.6	21.0
Colombia	704	3.5	0.0	3.6	26.2	0.8	0.4	31.1	18.0	6.0	10.4	34.5	3.5	3.5	3.6
Cyprus	637	2.2	0.6	9.4	23.3	0.6	4.4	29.3	16.0	13.9	0.4	40.5	2.8	3.4	2.3
Czech Republic	701	16.4	0.3	14.8	26.0	0.0	0.9	26.9	9.6	4.6	0.4	58.4	16.7	13.7	19.6
Egypt	941	2.4	0.0	7.0	9.6	0.7	0.2	42.5	24.2	12.8	0.6	19.8	2.4	1.9	2.9
El Salvador	578	2.3	0.0	2.6	14.6	5.7	0.0	37.7	18.7	9.3	9.1	25.2	2.3	1.2	3.4
England	567	20.2	0.0	10.8	43.2	0.7	2.9	5.8	12.2	3.8	0.4	77.8	20.2	19.6	20.9
Georgia	601	2.7	0.3	5.5	10.4	0.7	2.7	31.9	22.2	22.4	1.2	22.3	3.0	2.4	3.7
Ghana	746	0.6	0.0	2.6	7.1	0.2	0.0	10.5	39.6	34.9	4.6	10.4	0.6	0.4	0.7
Hong Kong SAR	483	13.7	0.0	18.0	29.3	0.9	0.0	1.7	24.2	11.8	0.4	61.9	13.7	13.6	13.8
Hungary	582	11.9	0.0	13.9	28.4	1.5	0.1	22.9	12.1	8.9	0.3	55.8	11.9	11.4	12.5
Indonesia	597	3.8	0.0	11.6	20.4	0.8	0.4	19.6	34.5	5.9	3.1	36.9	3.8	2.6	4.9
Iran, Islamic Rep. of	565	7.1	0.2	19.3	18.4	2.3	0.4	24.1	13.8	10.6	3.9	47.7	7.3	7.4	7.1
Israel	478	7.3	0.2	9.2	27.0	1.4	0.2	20.2	15.1	16.9	2.6	45.2	7.5	6.0	9.2
Italy	624	10.4	0.2	14.5	26.5	1.1	9.3	13.2	12.3	9.3	3.2	62.0	10.5	7.5	13.1
Japan	611	19.8	0.0	27.5	17.4	0.2	0.0	12.0	15.1	7.8	0.2	64.9	19.8	19.4	20.1
Jordan	745	6.8	0.2	15.0	26.4	0.2	0.5	8.6	32.7	8.7	0.9	49.1	7.0	7.2	6.9
Korea, Rep. of	601	13.1	0.0	37.9	15.3	1.8	0.0	21.2	7.8	3.0	0.0	68.0	13.1	10.7	15.2
Kuwait	574	3.1	5.4	5.3	9.7	1.7	2.2	21.8	26.5	22.2	2.1	27.4	8.4	10.5	6.1
Lebanon	542	3.8	0.1	12.2	14.9	1.2	3.2	17.6	25.3	19.3	2.5	35.4	3.9	3.0	5.1
Lithuania	569	12.7	0.0	9.6	33.8	0.4	0.4	20.3	13.3	9.1	0.3	57.0	12.7	12.7	12.8
Malaysia	633	4.7	0.2	9.4	14.8	0.8	2.1	10.8	43.3	12.3	1.6	31.9	4.8	3.3	6.6
Malta	661	16.1	0.0	13.7	27.8	0.2	0.0	12.6	17.2	11.9	0.6	57.7	16.1	15.5	16.7
Morocco	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Norway	659	7.6	0.0	13.5	36.7	2.1	0.3	23.6	8.0	7.5	0.8	60.1	7.6	8.5	6.7
Oman	677	1.0	0.2	4.8	17.4	0.7	0.0	20.6	40.1	12.9	2.3	24.1	1.1	2.0	0.1
Palestinian Nat'l Auth.	630	5.2	0.4	6.7	16.0	0.9	2.3	14.0	39.8	13.4	1.4	31.5	5.6	4.9	6.4
Qatar	1021	0.3	0.0	3.1	13.0	0.8	0.3	24.3	28.3	29.6	0.3	17.5	0.3	0.4	0.2
Romania	602	4.3	1.3	7.0	26.4	1.8	14.6	27.0	4.8	11.4	1.4	55.4	5.6	5.3	5.8
Russian Federation	637	10.7	0.2	11.2	31.2	0.4	0.0	28.2	6.9	9.7	1.5	53.7	10.9	10.0	11.9
Saudi Arabia	606	2.0	0.1	11.2	16.4	0.5	0.7	9.0	45.3	13.8	0.9	31.0	2.1	2.9	1.4
Scotland	593	10.0	0.0	6.8	43.3	2.1	2.3	15.3	14.2	5.6	0.4	64.5	10.0	9.0	10.9
Serbia	577	5.8	0.0	9.7	21.4	0.6	0.6	36.4	10.6	14.3	0.6	38.1	5.8	4.2	7.4
Singapore	664	27.5	0.0	38.1	15.4	1.2	0.0	6.3	7.9	3.0	0.6	82.1	27.5	27.5	27.5
Slovenia	576	8.4	0.2	13.6	26.6	1.4	0.1	35.6	11.8	2.4	0.0	50.3	8.5	7.4	9.7
Sweden	739	29.8	0.0	19.6	26.0	0.5	0.4	12.9	4.7	4.6	1.4	76.3	29.8	28.6	30.9
Syrian Arab Republic	665	2.3	0.3	5.1	24.5	2.7	4.7	26.3	21.6	11.3	1.2	39.5	2.6	2.6	2.6
Thailand	780	5.5	0.1	7.1	26.1	1.6	0.3	27.0	19.5	11.7	1.2	40.7	5.6	6.0	5.1
Tunisia	583	1.7	1.1	5.5	29.6	1.0	0.8	20.9	27.6	9.2	2.7	39.7	2.8	3.0	2.6
Turkey	634	5.8	0.3	17.2	20.5	0.4	0.5	32.7	14.9	7.4	0.2	44.8	6.1	4.7	7.4
Ukraine	638	5.2	1.3	7.8	21.9	1.3	8.7	32.2	8.5	12.5	0.6	46.2	6.5	4.6	8.5
United States	1050	16.1	0.0	12.2	43.2	1.4	0.0	17.3	6.2	2.8	0.9	72.9	16.1	16.9	15.4
International Avg.	644	8.2	0.5	11.4	22.6	1.0	1.9	20.4	19.9	12.1	1.9	45.7	8.7	8.3	9.2
Basque Country, Spain	328	2.5	0.0	13.6	37.5	1.2	0.0	21.7	17.4	5.0	1.1	54.8	2.5	0.0	5.0
British Columbia, Canada	602	16.5	0.2	14.7	42.0	1.1	0.3	12.1	7.7	5.3	0.0	74.9	16.7	16.6	16.8
Dubai, UAE	455	9.7	0.4	11.8	25.6	1.0	1.1	20.1	16.1	13.5	0.8	49.5	10.1	10.3	9.8
Massachusetts, US	264	22.5	0.0	12.6	44.2	0.6	0.0	10.3	5.2	2.6	1.8	80.0	22.5	22.9	22.2
Minnesota, US	254	27.4	0.0	11.3	41.9	1.1	0.0	10.5	5.5	1.6	0.7	81.7	27.4	23.9	31.3
Ontario, Canada	493	14.2	0.0	6.7	48.8	1.7	0.0	13.7	8.1	4.5	2.3	71.4	14.2	13.0	15.3
Quebec, Canada	552	7.2	0.2	10.1	32.7	2.3	0.1	15.4	24.8	5.4	2.0	52.4	7.3	6.0	8.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S022069 - S03_13)
 Label: Temperature of boiling water
 Type: CR Key: -

COUNTRY	N	10	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	767	8.1	8.9	17.4	5.2	34.7	15.5	10.2	8.1	8.0	8.2
Armenia	669	36.2	20.3	12.1	2.4	2.6	19.0	7.3	36.2	38.7	34.0
Australia	584	34.5	9.6	43.0	3.3	2.5	6.0	1.1	34.5	29.7	38.2
Bahrain	611	13.1	7.6	43.5	7.9	10.8	11.4	5.6	13.1	17.9	8.5
Bosnia and Herzegovina	602	24.9	16.8	33.3	4.0	5.6	12.9	2.5	24.9	24.1	25.6
Botswana	590	20.4	13.8	15.6	11.3	21.9	5.4	11.6	20.4	21.7	18.9
Bulgaria	442	20.8	20.9	25.8	3.8	2.2	18.2	8.3	20.8	24.6	17.6
Chinese Taipei	584	64.3	3.1	24.9	1.7	2.2	3.1	0.7	64.3	63.2	65.3
Colombia	704	11.6	6.8	46.2	3.6	7.7	10.0	14.1	11.6	8.2	15.2
Cyprus	637	30.6	13.9	31.0	5.8	3.5	11.3	3.9	30.6	32.4	29.0
Czech Republic	701	43.2	9.4	37.2	2.6	1.7	5.4	0.4	43.2	41.9	44.6
Egypt	941	16.6	12.7	18.1	4.7	34.2	10.3	3.5	16.6	17.7	15.4
El Salvador	579	4.4	6.7	51.6	5.1	9.2	8.9	14.1	4.4	3.5	5.3
England	567	43.0	7.6	35.8	5.6	2.9	4.4	0.8	43.0	42.6	43.4
Georgia	601	22.9	18.1	22.1	2.5	2.5	21.8	10.1	22.9	24.1	21.5
Ghana	746	10.7	7.8	16.7	9.2	20.2	19.4	16.0	10.7	8.3	12.7
Hong Kong SAR	483	37.5	11.2	39.3	3.9	1.9	4.8	1.4	37.5	35.8	39.4
Hungary	582	45.8	9.2	33.8	2.8	2.9	4.6	1.0	45.8	43.1	48.7
Indonesia	597	18.7	8.2	39.4	6.3	13.1	8.7	5.6	18.7	17.3	20.2
Iran, Islamic Rep. of	565	28.6	6.5	34.0	4.4	10.2	9.8	6.5	28.6	25.3	31.5
Israel	478	25.7	6.6	34.6	4.5	7.8	13.4	7.4	25.7	22.9	29.1
Italy	624	20.9	7.8	48.1	4.8	4.7	9.0	4.8	20.9	19.7	21.9
Japan	611	63.3	5.7	23.1	4.3	0.9	2.0	0.8	63.3	64.8	61.7
Jordan	745	30.9	9.5	29.7	6.8	12.9	6.9	3.3	30.9	36.9	25.5
Korea, Rep. of	601	73.8	5.5	14.8	2.5	0.8	1.7	1.0	73.8	75.4	72.3
Kuwait	574	11.1	7.2	25.0	6.7	20.2	19.7	10.2	11.1	11.4	10.8
Lebanon	542	23.1	22.4	26.0	9.4	3.3	8.6	7.2	23.1	23.3	22.8
Lithuania	569	50.0	8.6	31.7	1.1	0.8	6.1	1.6	50.0	49.9	50.2
Malaysia	633	48.4	14.2	14.6	6.5	8.4	4.3	3.5	48.4	49.6	47.1
Malta	660	26.5	10.2	37.9	5.1	9.2	7.7	3.4	26.5	27.4	25.5
Morocco	448	9.5	9.5	33.2	5.9	8.1	21.9	11.9	9.5	9.3	9.8
Norway	659	44.7	11.6	24.1	7.9	5.1	5.3	1.3	44.7	48.0	41.5
Oman	677	16.0	11.3	24.6	6.8	26.4	7.8	7.2	16.0	19.5	12.0
Palestinian Nat'l Auth.	630	18.6	11.1	22.4	7.0	27.3	8.3	5.2	18.6	19.8	17.5
Qatar	1021	4.0	12.3	17.6	5.9	36.9	14.9	8.5	4.0	5.1	2.8
Romania	602	13.0	16.2	20.4	33.8	4.8	8.6	3.2	13.0	14.3	11.8
Russian Federation	637	50.3	9.8	25.0	3.9	1.9	5.9	3.2	50.3	50.0	50.7
Saudi Arabia	606	15.2	7.6	37.2	9.0	15.7	9.1	6.3	15.2	16.4	14.1
Scotland	593	35.9	12.0	39.1	4.7	2.2	4.6	1.5	35.9	35.9	35.8
Serbia	578	31.7	14.6	38.0	2.2	0.5	10.6	2.5	31.7	35.0	28.4
Singapore	664	61.8	9.5	20.3	4.0	2.0	1.3	1.0	61.8	63.3	60.5
Slovenia	576	34.2	14.8	45.1	2.2	2.0	1.3	0.5	34.2	36.9	31.4
Sweden	739	47.8	12.9	28.5	1.3	4.4	2.9	2.1	47.8	52.4	43.9
Syrian Arab Republic	665	21.6	8.4	18.7	6.0	27.5	15.0	2.8	21.6	22.1	21.1
Thailand	780	25.8	10.9	37.0	8.0	3.3	8.4	6.6	25.8	27.8	23.9
Tunisia	583	15.6	12.6	45.9	5.1	5.5	9.7	5.8	15.6	12.7	19.1
Turkey	634	22.0	14.5	43.4	4.8	6.0	7.3	2.0	22.0	22.8	21.3
Ukraine	638	32.1	12.1	37.4	4.4	2.8	8.4	2.7	32.1	31.3	33.0
United States	1050	13.3	3.8	70.5	3.9	4.4	2.4	1.7	13.3	12.2	14.3
International Avg.	640	29.0	10.9	31.3	5.6	9.1	9.1	5.0	29.0	29.5	28.6
Basque Country, Spain	328	28.3	15.0	43.3	4.5	5.1	2.7	1.1	28.3	27.1	29.5
British Columbia, Canada	602	24.4	6.9	56.4	3.6	2.7	4.8	1.2	24.4	23.3	25.5
Dubai, UAE	455	27.9	12.3	35.7	6.8	6.8	7.7	2.8	27.9	27.3	28.5
Massachusetts, US	264	31.2	3.2	54.4	2.0	3.4	3.3	2.5	31.2	31.4	31.0
Minnesota, US	254	15.7	7.0	70.8	3.6	1.9	0.3	0.7	15.7	13.1	18.6
Ontario, Canada	493	27.9	7.1	51.5	2.0	3.4	4.3	3.7	27.9	24.8	30.7
Quebec, Canada	552	25.8	10.8	50.8	3.0	2.6	4.3	2.6	25.8	26.3	25.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S022268 - S03_14)
 Label: Freezing salt water experiment
 Type: CR Key: -

COUNTRY	N	10	11	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	756	1.4	1.4	0.3	3.7	11.0	45.2	21.9	15.1	3.1	2.9	3.4
Armenia	670	13.4	8.9	7.2	5.2	2.6	8.5	43.8	10.3	29.5	29.0	29.9
Australia	584	37.5	16.4	0.2	6.5	2.0	20.0	14.2	3.3	54.1	51.2	56.4
Bahrain	611	10.3	13.5	1.2	14.5	3.2	29.7	19.4	8.1	25.1	33.5	17.0
Bosnia and Herzegovina	601	5.9	21.0	1.8	6.7	13.9	15.5	29.9	5.3	28.7	30.0	27.4
Botswana	590	2.4	3.8	0.1	4.6	1.5	54.1	18.6	14.9	6.4	7.7	4.9
Bulgaria	442	3.5	22.1	4.3	2.0	12.1	8.0	37.1	10.8	29.9	35.4	25.4
Chinese Taipei	584	10.8	9.0	0.0	41.8	0.3	21.8	15.0	1.2	19.9	17.8	21.7
Colombia	704	7.1	18.2	0.3	8.4	5.9	23.6	16.8	19.7	25.6	22.9	28.3
Cyprus	637	1.7	20.6	10.0	11.9	8.5	15.0	25.5	6.8	32.3	36.0	28.9
Czech Republic	701	6.3	45.0	3.0	7.4	5.1	17.8	14.1	1.3	54.4	55.6	53.2
Egypt	941	6.3	12.6	0.1	10.8	1.3	46.0	17.5	5.5	19.0	21.4	16.6
El Salvador	579	2.7	4.9	0.3	12.7	4.5	33.7	23.1	18.0	7.9	8.4	7.4
England	567	45.7	7.9	1.0	4.9	1.7	25.5	12.1	1.3	54.6	59.8	48.5
Georgia	601	3.7	16.6	2.9	8.3	4.6	8.6	37.4	17.9	23.2	27.4	18.3
Ghana	746	1.2	7.0	0.0	2.5	1.0	33.2	34.6	20.5	8.2	7.9	8.4
Hong Kong SAR	483	7.9	16.8	0.6	26.3	2.2	27.3	17.0	2.0	25.2	27.7	22.6
Hungary	582	8.4	42.2	4.6	10.8	5.2	9.2	17.6	1.9	55.3	54.8	55.8
Indonesia	596	3.7	11.5	0.2	10.1	1.8	50.5	13.2	9.0	15.4	17.1	13.6
Iran, Islamic Rep. of	565	10.5	29.9	0.3	9.1	7.4	15.7	17.8	9.3	40.7	46.4	35.8
Israel	478	19.1	9.5	1.5	9.1	1.9	25.6	22.7	10.5	30.1	27.4	33.3
Italy	624	6.8	22.3	0.9	5.4	15.4	15.0	26.0	8.3	30.0	25.0	34.2
Japan	611	22.1	5.6	0.2	27.7	4.7	28.2	10.5	1.0	27.9	28.3	27.6
Jordan	745	8.2	15.3	1.2	4.9	3.7	50.2	11.4	5.1	24.7	31.2	18.8
Korea, Rep. of	601	11.7	46.5	3.2	10.2	3.5	18.6	4.6	1.7	61.4	62.3	60.6
Kuwait	575	6.8	5.6	0.1	5.9	2.9	35.6	27.2	15.8	12.5	14.1	10.7
Lebanon	542	3.5	7.3	2.1	2.0	4.4	29.1	40.7	10.9	12.9	14.8	10.5
Lithuania	569	11.4	37.3	0.0	4.0	19.7	11.9	13.1	2.6	48.7	48.4	48.9
Malaysia	633	7.2	12.6	0.7	14.2	4.0	40.8	15.3	5.2	20.6	21.2	19.9
Malta	661	8.6	18.6	0.1	17.9	1.8	25.0	22.9	5.0	27.4	32.6	22.0
Morocco	448	2.9	5.6	0.7	2.8	4.7	32.5	32.4	18.4	9.2	9.4	9.0
Norway	659	14.6	27.9	4.6	6.8	5.5	22.5	15.7	2.3	47.2	53.1	41.6
Oman	678	1.2	15.3	0.0	11.5	2.3	42.7	17.3	9.6	16.5	20.9	11.6
Palestinian Nat'l Auth.	630	6.2	13.1	2.5	8.1	4.7	42.5	16.3	6.4	21.9	24.7	19.0
Qatar	1021	2.1	4.4	0.2	8.8	2.1	39.9	32.0	10.5	6.7	8.7	4.8
Romania	603	13.6	31.3	5.9	2.4	2.3	11.6	27.8	5.2	50.7	51.4	50.2
Russian Federation	637	2.1	44.6	4.0	8.6	7.0	9.6	18.4	5.7	50.7	52.4	48.8
Saudi Arabia	606	5.5	4.8	0.3	5.1	1.1	56.9	17.5	8.8	10.7	13.3	8.3
Scotland	593	24.5	20.4	2.2	4.7	5.0	22.1	18.2	3.0	47.1	49.3	44.9
Serbia	576	5.1	25.5	0.9	5.7	13.7	12.2	31.2	5.8	31.5	33.8	29.2
Singapore	664	23.7	19.6	0.7	20.9	3.4	23.1	7.3	1.4	43.9	44.9	43.1
Slovenia	576	18.7	39.2	0.5	4.0	15.1	16.3	4.8	1.4	58.4	60.8	55.9
Sweden	739	30.0	25.2	2.9	3.0	6.3	15.5	14.1	3.0	58.1	62.6	54.1
Syrian Arab Republic	665	9.2	11.6	1.3	2.7	2.1	42.6	23.1	7.5	22.0	19.3	25.2
Thailand	780	1.8	4.8	1.0	18.5	1.5	47.4	16.0	9.1	7.5	7.9	7.1
Tunisia	583	6.7	9.0	0.7	12.8	6.6	37.8	16.6	9.8	16.4	15.9	17.0
Turkey	634	9.9	14.3	0.6	5.5	3.9	30.0	31.4	4.3	24.7	25.5	24.0
Ukraine	638	2.9	27.6	1.0	6.3	18.2	15.1	24.1	4.9	31.5	32.1	30.7
United States	1050	35.6	18.0	2.3	8.5	3.9	21.3	7.8	2.7	55.9	57.6	54.2
International Avg.	640	10.4	17.8	1.7	9.3	5.5	27.2	20.7	7.5	29.9	31.5	28.3
Basque Country, Spain	328	6.9	32.3	0.0	13.8	10.7	20.8	13.7	1.8	39.1	45.7	32.6
British Columbia, Canada	602	23.4	27.7	2.8	6.0	3.5	22.9	11.9	1.9	53.8	55.0	52.6
Dubai, UAE	455	12.5	21.9	1.8	11.3	1.5	24.0	22.0	5.1	36.1	34.3	37.9
Massachusetts, US	264	31.5	26.0	5.3	5.7	6.2	14.4	6.8	4.1	62.8	56.5	68.0
Minnesota, US	254	35.9	26.6	5.4	5.5	4.9	17.0	3.8	1.0	67.9	67.4	68.4
Ontario, Canada	493	27.5	23.8	3.2	5.2	3.8	20.2	10.9	5.4	54.5	57.3	51.9
Quebec, Canada	552	12.9	28.5	2.9	5.2	2.4	29.2	15.5	3.2	44.4	43.6	45.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042013 - S04_01)
 Label: Cells that conduct messages
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	67.1	2.9	67.1	24.6	2.7	2.7	0.0	66.7	67.4
Armenia	674	77.4	12.1	77.4	3.1	3.6	3.7	0.1	78.5	76.4
Australia	572	85.5	2.7	85.5	11.4	0.3	0.1	0.0	81.0	89.3
Bahrain	603	78.2	2.4	78.2	15.9	2.2	1.3	0.0	84.0	72.6
Bosnia and Herzegovina	598	62.6	10.9	62.6	22.2	2.2	2.1	0.0	60.9	64.1
Botswana	598	58.8	6.8	58.8	25.5	7.8	1.1	0.0	60.5	56.7
Bulgaria	440	82.3	4.1	82.3	9.6	1.7	1.8	0.6	85.1	80.2
Chinese Taipei	581	96.9	0.6	96.9	2.4	0.2	0.0	0.0	97.6	96.2
Colombia	712	76.8	6.8	76.8	14.8	0.6	0.6	0.4	74.0	79.6
Cyprus	632	60.3	9.0	60.3	22.4	7.0	1.3	0.0	64.7	56.1
Czech Republic	694	77.7	10.8	77.7	8.1	2.2	1.1	0.0	79.3	76.2
Egypt	938	77.5	5.4	77.5	13.1	3.0	0.9	0.1	82.1	72.7
El Salvador	579	60.9	21.1	60.9	6.3	10.6	1.1	0.0	56.5	65.7
England	560	90.6	0.9	90.6	8.0	0.0	0.5	0.0	93.1	87.9
Georgia	603	74.1	4.8	74.1	16.7	1.5	2.7	0.2	78.3	69.6
Ghana	757	24.0	24.4	24.0	37.2	12.1	2.3	0.0	20.6	26.8
Hong Kong SAR	489	94.3	2.1	94.3	1.5	0.3	1.6	0.2	95.3	93.2
Hungary	583	92.0	0.4	92.0	7.3	0.1	0.2	0.0	92.8	91.1
Indonesia	597	59.3	9.3	59.3	27.7	3.0	0.4	0.3	62.3	55.9
Iran, Islamic Rep. of	569	85.8	2.3	85.8	9.2	2.5	0.3	0.0	91.7	80.8
Israel	489	65.4	4.3	65.4	23.9	2.4	3.9	0.1	65.7	65.1
Italy	622	80.4	7.3	80.4	10.7	0.9	0.6	0.1	77.6	82.9
Japan	611	89.3	8.9	89.3	1.3	0.5	0.0	0.0	87.5	90.9
Jordan	753	85.3	1.6	85.3	11.0	1.2	0.7	0.2	87.3	83.5
Korea, Rep. of	600	95.4	2.1	95.4	1.5	1.0	0.0	0.0	94.0	96.7
Kuwait	585	61.7	4.0	61.7	30.1	1.7	1.9	0.7	65.4	57.3
Lebanon	547	63.4	11.9	63.4	20.5	2.9	1.1	0.2	63.8	62.9
Lithuania	578	87.9	2.4	87.9	7.4	2.1	0.2	0.0	87.0	88.6
Malaysia	628	75.4	4.8	75.4	16.5	2.6	0.7	0.1	78.5	71.8
Malta	662	67.2	7.2	67.2	22.0	2.5	0.9	0.2	63.5	70.8
Morocco	456	50.6	3.7	50.6	39.6	2.5	3.6	0.0	49.8	51.8
Norway	659	77.7	4.2	77.7	14.6	2.8	0.8	0.0	75.0	80.2
Oman	680	63.7	6.6	63.7	24.7	3.6	1.3	0.0	67.3	59.8
Palestinian Nat'l Auth.	618	71.1	4.3	71.1	19.5	3.8	1.2	0.0	73.7	68.6
Qatar	1016	39.9	10.0	39.9	38.7	8.4	3.0	0.0	42.4	37.3
Romania	600	68.1	8.2	68.1	20.8	2.1	0.8	0.0	67.3	68.8
Russian Federation	639	93.9	3.4	93.9	2.2	0.1	0.4	0.0	92.2	95.8
Saudi Arabia	601	73.0	3.7	73.0	20.4	1.5	1.4	0.0	76.1	70.0
Scotland	583	81.0	4.1	81.0	13.4	0.6	1.0	0.0	80.0	82.0
Serbia	583	73.5	17.2	73.5	6.0	3.0	0.4	0.0	74.7	72.4
Singapore	664	88.0	2.4	88.0	8.8	0.8	0.1	0.0	89.7	86.6
Slovenia	580	71.8	7.8	71.8	18.0	1.4	0.9	0.0	69.1	75.1
Sweden	747	88.8	3.2	88.8	7.2	0.6	0.3	0.0	85.4	92.1
Syrian Arab Republic	667	77.3	6.8	77.3	12.2	2.6	0.9	0.2	77.8	76.8
Thailand	769	90.8	3.5	90.8	4.6	1.0	0.1	0.0	90.8	90.8
Tunisia	581	69.3	2.0	69.3	24.4	1.7	2.6	0.0	66.9	72.3
Turkey	633	67.3	14.2	67.3	15.9	1.9	0.7	0.0	67.7	67.0
Ukraine	637	92.4	3.7	92.4	1.3	1.8	0.9	0.0	94.8	90.0
United States	1060	92.4	2.1	92.4	5.0	0.5	0.1	0.0	90.9	94.0
International Avg.	641	75.2	6.2	75.2	14.9	2.5	1.1	0.1	75.7	74.7
Basque Country, Spain	326	78.9	5.0	78.9	7.5	7.6	1.0	0.0	81.1	76.8
British Columbia, Canada	602	90.9	1.4	90.9	6.4	0.8	0.3	0.2	89.9	91.8
Dubai, UAE	427	83.8	4.8	83.8	8.3	0.4	2.5	0.3	84.1	83.5
Massachusetts, US	262	92.5	1.6	92.5	4.4	0.7	0.8	0.0	91.8	93.1
Minnesota, US	256	93.2	1.7	93.2	4.7	0.0	0.4	0.0	93.7	92.6
Ontario, Canada	500	94.1	2.3	94.1	1.9	1.5	0.2	0.0	92.3	95.6
Quebec, Canada	553	79.4	1.7	79.4	10.9	7.7	0.1	0.2	75.7	83.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042006 - S04_02)
 Label: What is organ X
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	41.3	2.1	14.7	41.3	38.4	3.4	0.0	43.9	39.1
Armenia	674	78.1	3.2	8.5	78.1	8.1	2.1	0.1	77.5	78.6
Australia	572	52.0	3.5	10.1	52.0	34.3	0.2	0.0	52.9	51.2
Bahrain	603	61.7	1.2	5.9	61.7	30.7	0.5	0.0	68.6	55.0
Bosnia and Herzegovina	598	72.4	2.2	8.1	72.4	16.6	0.7	0.0	73.5	71.6
Botswana	598	65.8	1.0	11.4	65.8	21.2	0.6	0.0	63.6	68.2
Bulgaria	440	69.5	4.5	12.6	69.5	11.8	1.1	0.6	74.2	65.8
Chinese Taipei	581	73.0	1.1	4.4	73.0	21.5	0.0	0.0	74.0	72.0
Colombia	712	68.3	2.1	11.4	68.3	17.1	0.7	0.4	62.9	73.6
Cyprus	632	53.1	3.1	12.4	53.1	31.4	0.0	0.0	54.5	51.8
Czech Republic	694	77.4	1.6	5.2	77.4	15.5	0.3	0.0	77.0	77.8
Egypt	940	58.9	2.9	12.2	58.9	25.5	0.3	0.1	57.6	60.1
El Salvador	578	67.0	4.1	12.6	67.0	16.2	0.1	0.0	68.3	65.5
England	560	53.4	1.7	7.8	53.4	36.7	0.4	0.0	53.2	53.7
Georgia	603	53.2	5.2	16.2	53.2	23.8	1.4	0.2	53.4	53.0
Ghana	757	54.5	6.9	17.8	54.5	19.8	0.9	0.0	48.5	59.5
Hong Kong SAR	489	67.4	0.4	3.5	67.4	27.6	0.8	0.2	65.5	69.3
Hungary	583	74.2	0.6	12.3	74.2	12.8	0.1	0.0	74.7	73.6
Indonesia	597	63.2	1.9	10.3	63.2	23.4	0.9	0.3	64.4	61.7
Iran, Islamic Rep. of	569	50.3	6.0	13.4	50.3	29.5	0.9	0.0	50.0	50.6
Israel	489	34.3	7.8	29.1	34.3	28.1	0.6	0.1	33.1	35.6
Italy	621	62.1	1.6	14.1	62.1	21.9	0.1	0.1	54.2	69.4
Japan	611	89.2	1.4	0.7	89.2	8.7	0.0	0.0	89.9	88.5
Jordan	753	53.3	2.8	10.7	53.3	32.4	0.6	0.2	54.1	52.6
Korea, Rep. of	600	73.6	0.3	2.8	73.6	23.1	0.2	0.0	73.9	73.4
Kuwait	585	42.2	4.2	17.5	42.2	33.4	2.0	0.7	37.3	47.9
Lebanon	547	54.1	1.4	12.7	54.1	30.7	0.9	0.2	52.8	55.7
Lithuania	578	72.6	1.2	3.0	72.6	22.8	0.4	0.0	70.5	74.5
Malaysia	629	72.8	0.7	9.5	72.8	16.4	0.6	0.1	76.2	68.7
Malta	661	47.2	3.2	18.3	47.2	30.7	0.3	0.2	54.4	40.0
Morocco	456	54.3	3.1	13.7	54.3	27.8	1.2	0.0	55.5	53.2
Norway	659	50.2	7.9	8.6	50.2	32.6	0.7	0.0	52.0	48.5
Oman	680	43.9	4.4	13.7	43.9	37.4	0.6	0.0	50.2	37.0
Palestinian Nat'l Auth.	618	36.2	7.2	20.8	36.2	34.8	1.0	0.0	40.5	31.9
Qatar	1016	44.2	5.8	15.5	44.2	33.4	1.1	0.0	47.8	40.6
Romania	600	52.0	0.9	29.8	52.0	16.6	0.7	0.0	54.3	50.1
Russian Federation	639	77.8	0.1	5.8	77.8	15.9	0.4	0.0	78.9	76.6
Saudi Arabia	601	69.8	1.2	7.8	69.8	20.8	0.4	0.0	68.5	71.0
Scotland	583	46.4	3.1	11.0	46.4	38.8	0.6	0.0	43.4	49.8
Serbia	581	76.4	1.6	5.4	76.4	16.5	0.0	0.0	76.2	76.6
Singapore	664	84.8	0.7	2.7	84.8	11.7	0.1	0.0	85.7	84.0
Slovenia	580	60.4	4.2	7.5	60.4	27.5	0.5	0.0	61.7	58.8
Sweden	747	65.8	2.1	8.9	65.8	22.8	0.4	0.0	65.0	66.5
Syrian Arab Republic	667	57.8	2.3	8.0	57.8	30.6	1.1	0.2	52.9	63.5
Thailand	769	71.6	0.8	6.7	71.6	20.3	0.6	0.0	70.7	72.5
Tunisia	581	39.3	1.2	15.6	39.3	40.8	3.0	0.0	40.3	38.1
Turkey	633	54.3	1.6	12.6	54.3	31.3	0.1	0.0	54.8	53.9
Ukraine	637	75.6	0.4	10.5	75.6	12.2	1.4	0.0	71.4	79.6
United States	1060	54.5	3.6	12.7	54.5	29.1	0.1	0.0	52.2	56.9
International Avg.	641	60.6	2.7	11.1	60.6	24.7	0.7	0.1	60.7	60.6
Basque Country, Spain	326	67.2	2.4	16.2	67.2	14.1	0.1	0.0	66.1	68.2
British Columbia, Canada	602	72.7	1.7	3.8	72.7	21.1	0.3	0.2	69.4	75.9
Dubai, UAE	426	59.7	1.4	10.3	59.7	26.2	2.2	0.3	62.2	57.2
Massachusetts, US	262	50.6	2.4	6.8	50.6	39.5	0.8	0.0	46.9	53.2
Minnesota, US	256	54.2	1.6	8.1	54.2	35.8	0.4	0.0	42.8	64.9
Ontario, Canada	500	56.2	2.1	4.8	56.2	36.9	0.0	0.0	52.6	59.1
Quebec, Canada	553	34.2	5.0	24.4	34.2	35.4	0.8	0.2	28.8	39.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S042310 - S04_03)
 Label: Predict the height of pea plants
 Type: CR Key: -

COUNTRY	N	20	10	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	765	14.9	16.3	17.9	31.0	19.9	0.0	31.2	14.9	18.2	12.0
Armenia	674	10.8	25.8	11.2	8.9	43.3	0.1	36.6	10.8	13.1	8.8
Australia	572	40.0	30.5	2.0	16.2	11.3	0.0	70.5	40.0	39.7	40.3
Bahrain	603	41.3	25.0	3.7	15.9	14.0	0.0	66.4	41.3	57.2	26.2
Bosnia and Herzegovina	598	30.6	22.8	1.8	13.6	31.3	0.0	53.3	30.6	36.6	25.3
Botswana	600	8.1	8.8	2.2	64.6	16.3	0.0	16.9	8.1	9.3	6.7
Bulgaria	440	22.6	27.7	1.7	9.9	37.5	0.6	50.3	22.6	23.1	22.2
Chinese Taipei	581	49.3	22.5	0.2	19.5	8.6	0.0	71.8	49.3	52.3	46.6
Colombia	712	26.7	21.7	1.6	34.6	15.1	0.4	48.3	26.7	23.0	30.3
Cyprus	632	28.8	27.5	6.6	11.9	25.2	0.0	56.3	28.8	31.5	26.2
Czech Republic	694	47.4	23.1	3.2	12.4	13.9	0.0	70.6	47.4	49.9	44.9
Egypt	941	24.5	27.1	2.1	30.7	15.6	0.1	51.6	24.5	27.0	22.0
El Salvador	579	17.3	19.3	2.4	27.4	33.6	0.0	36.7	17.3	18.9	15.6
England	560	41.3	30.2	1.5	19.4	7.5	0.0	71.5	41.3	46.6	35.5
Georgia	603	24.7	17.0	1.1	11.9	45.1	0.2	41.8	24.7	28.7	20.5
Ghana	757	7.1	12.1	1.3	37.3	42.2	0.0	19.2	7.1	7.2	7.0
Hong Kong SAR	489	50.5	17.8	0.0	20.9	10.6	0.2	68.3	50.5	54.8	46.2
Hungary	583	44.2	19.7	0.8	26.3	9.0	0.0	63.9	44.2	46.6	41.8
Indonesia	597	33.2	24.2	6.7	26.2	9.3	0.3	57.4	33.2	37.3	28.5
Iran, Islamic Rep. of	568	50.6	18.3	3.5	15.9	11.7	0.0	68.9	50.6	59.4	43.2
Israel	489	33.6	24.2	1.4	14.9	25.7	0.1	57.8	33.6	37.4	29.5
Italy	621	37.3	21.5	0.8	15.2	25.1	0.1	58.8	37.3	38.5	36.2
Japan	611	56.1	27.1	2.6	8.8	5.5	0.0	83.1	56.1	61.2	51.1
Jordan	753	39.0	22.8	1.2	28.6	8.2	0.2	61.8	39.0	47.8	31.3
Korea, Rep. of	600	64.7	18.1	2.9	11.7	2.5	0.2	82.8	64.7	62.2	67.1
Kuwait	585	32.9	20.2	1.0	20.2	24.9	0.7	53.2	32.9	43.5	20.5
Lebanon	547	26.3	15.5	0.7	22.4	35.1	0.2	41.7	26.3	25.3	27.5
Lithuania	578	49.1	22.6	0.6	15.1	12.5	0.0	71.7	49.1	52.6	46.1
Malaysia	629	33.5	26.2	1.6	30.3	8.3	0.1	59.7	33.5	32.9	34.1
Malta	662	23.8	21.9	1.8	23.5	28.9	0.2	45.7	23.8	24.8	22.8
Morocco	456	21.7	20.8	2.0	24.4	31.2	0.0	42.5	21.7	22.4	21.0
Norway	659	36.6	17.7	0.7	23.0	22.1	0.0	54.2	36.6	43.4	30.1
Oman	680	36.8	26.8	2.5	27.2	6.7	0.0	63.6	36.8	49.0	23.4
Palestinian Nat'l Auth.	618	27.4	21.7	1.9	37.7	11.3	0.0	49.1	27.4	36.5	18.1
Qatar	1016	14.4	17.7	2.3	37.1	28.5	0.0	32.1	14.4	18.8	10.0
Romania	600	32.7	21.8	0.2	18.7	26.6	0.0	54.5	32.7	35.4	30.3
Russian Federation	639	55.3	22.4	2.0	9.5	10.8	0.0	77.7	55.3	56.4	54.0
Saudi Arabia	601	32.0	19.3	3.1	30.0	15.6	0.0	51.4	32.0	45.3	19.5
Scotland	583	38.3	29.3	0.3	19.1	13.0	0.0	67.6	38.3	40.1	36.3
Serbia	585	37.3	15.4	1.6	12.8	32.9	0.0	52.7	37.3	41.2	33.7
Singapore	664	55.8	23.2	1.3	14.6	5.1	0.0	79.0	55.8	62.6	49.8
Slovenia	580	41.7	35.2	2.1	16.7	4.3	0.0	76.8	41.7	47.4	34.7
Sweden	747	37.1	21.3	2.0	18.5	21.1	0.0	58.4	37.1	42.5	32.0
Syrian Arab Republic	667	18.9	20.2	4.9	39.1	16.6	0.2	39.1	18.9	22.2	15.1
Thailand	769	40.8	20.2	3.4	20.3	15.1	0.2	61.0	40.8	47.8	33.9
Tunisia	581	31.8	27.5	4.0	25.2	11.6	0.0	59.2	31.8	33.6	29.5
Turkey	633	29.2	25.4	2.2	26.5	16.7	0.0	54.6	29.2	36.0	23.8
Ukraine	637	44.0	27.0	3.6	12.5	12.9	0.0	71.0	44.0	49.1	39.1
United States	1060	43.4	30.9	0.6	22.2	3.0	0.0	74.3	43.4	42.3	44.7
International Avg.	641	34.4	22.5	2.6	22.0	18.4	0.1	56.9	34.4	38.3	30.5
Basque Country, Spain	326	40.5	15.6	0.0	22.4	21.5	0.0	56.1	40.5	42.3	38.7
British Columbia, Canada	602	49.3	28.6	0.3	14.5	7.1	0.2	77.9	49.3	54.6	44.2
Dubai, UAE	427	33.1	26.5	4.7	14.7	20.8	0.3	59.6	33.1	37.4	28.7
Massachusetts, US	262	54.7	29.8	0.3	13.4	1.9	0.0	84.4	54.7	62.7	48.9
Minnesota, US	256	43.6	32.8	1.3	21.1	1.2	0.0	76.4	43.6	41.6	45.4
Ontario, Canada	500	55.3	26.0	1.3	11.6	5.8	0.0	81.3	55.3	58.3	52.9
Quebec, Canada	553	49.1	23.8	0.8	19.4	6.9	0.2	72.8	49.1	49.3	48.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042052 - S04_04)
 Label: Problems due to population
 Type: CR Key: -

COUNTRY	N	20	10	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	758	7.0	18.4	57.2	17.4	0.0	25.4	7.0	7.1	6.9
Armenia	674	13.8	41.5	2.7	41.8	0.2	55.3	13.8	15.2	12.6
Australia	572	50.4	36.3	6.9	6.4	0.0	86.7	50.4	53.9	47.5
Bahrain	603	27.8	38.7	20.6	13.0	0.0	66.4	27.8	36.4	19.6
Bosnia and Herzegovina	598	12.1	32.9	20.6	34.4	0.0	45.0	12.1	11.7	12.4
Botswana	600	7.5	23.3	59.2	10.0	0.0	30.8	7.5	8.6	6.1
Bulgaria	440	23.4	31.7	9.5	34.6	0.7	55.1	23.4	26.8	20.7
Chinese Taipei	581	53.3	32.7	8.0	6.1	0.0	85.9	53.3	57.3	49.7
Colombia	712	25.1	35.3	26.2	13.1	0.4	60.4	25.1	23.6	26.5
Cyprus	632	30.4	29.3	24.2	16.2	0.0	59.7	30.4	32.8	28.0
Czech Republic	694	34.5	33.5	18.5	13.6	0.0	67.9	34.5	35.1	33.9
Egypt	941	3.8	19.3	62.0	14.5	0.5	23.1	3.8	4.6	3.0
El Salvador	581	18.6	34.3	28.6	18.5	0.0	52.8	18.6	20.0	17.1
England	560	39.7	42.1	13.0	5.2	0.0	81.8	39.7	38.6	41.0
Georgia	603	15.9	21.1	19.9	43.0	0.2	36.9	15.9	14.8	17.0
Ghana	757	3.1	22.9	46.2	27.7	0.1	26.0	3.1	2.5	3.6
Hong Kong SAR	489	30.4	47.0	13.8	8.2	0.5	77.4	30.4	34.5	26.3
Hungary	583	50.6	32.7	10.4	6.2	0.1	83.3	50.6	49.9	51.3
Indonesia	596	7.5	35.3	42.0	15.0	0.3	42.7	7.5	9.6	5.0
Iran, Islamic Rep. of	568	30.1	32.6	25.5	11.8	0.0	62.7	30.1	31.1	29.2
Israel	489	24.5	39.7	18.1	17.5	0.1	64.3	24.5	27.4	21.4
Italy	622	29.0	40.6	16.2	14.1	0.1	69.6	29.0	25.2	32.4
Japan	611	27.5	41.2	24.1	7.1	0.0	68.8	27.5	31.0	24.1
Jordan	753	17.5	37.2	39.4	5.7	0.2	54.7	17.5	19.0	16.3
Korea, Rep. of	600	73.8	20.5	3.8	1.6	0.3	94.3	73.8	75.5	72.1
Kuwait	586	26.1	35.5	16.9	20.4	1.0	61.7	26.1	31.8	19.4
Lebanon	547	12.6	22.1	33.2	32.0	0.2	34.6	12.6	14.5	10.2
Lithuania	578	30.7	44.7	16.6	8.0	0.0	75.4	30.7	35.2	26.7
Malaysia	629	31.8	36.4	22.5	9.2	0.1	68.1	31.8	32.7	30.7
Malta	660	33.5	36.9	16.3	12.8	0.5	70.4	33.5	37.4	29.5
Morocco	.	.	.	.	.	.	.	.	.	.
Norway	659	32.1	39.1	18.6	10.2	0.0	71.2	32.1	35.8	28.6
Oman	680	19.9	30.2	40.0	9.9	0.0	50.1	19.9	25.4	13.8
Palestinian Nat'l Auth.	618	14.6	30.6	40.2	14.6	0.0	45.2	14.6	16.5	12.7
Qatar	1016	7.1	20.0	40.3	32.6	0.0	27.1	7.1	11.1	3.1
Romania	600	27.5	29.0	18.3	25.2	0.0	56.5	27.5	29.3	26.0
Russian Federation	639	44.6	28.1	8.9	18.5	0.0	72.7	44.6	44.7	44.6
Saudi Arabia	601	25.2	30.4	26.4	18.1	0.0	55.5	25.2	32.8	17.9
Scotland	583	34.1	41.5	18.5	5.9	0.0	75.6	34.1	35.1	33.0
Serbia	584	17.5	29.1	23.3	30.1	0.0	46.6	17.5	19.3	15.8
Singapore	664	38.4	44.4	11.6	5.6	0.0	82.8	38.4	38.9	37.9
Slovenia	580	31.5	36.1	26.7	5.6	0.0	67.6	31.5	35.1	27.2
Sweden	747	43.7	36.9	9.8	9.6	0.0	80.7	43.7	45.1	42.4
Syrian Arab Republic	667	12.9	33.2	40.0	13.7	0.2	46.1	12.9	11.1	14.9
Thailand	769	26.7	32.6	30.0	10.5	0.2	59.3	26.7	27.6	25.8
Tunisia	.	.	.	.	.	.	.	.	.	.
Turkey	634	15.6	37.9	33.6	12.8	0.0	53.6	15.6	10.7	19.6
Ukraine	.	.	.	.	.	.	.	.	.	.
United States	1060	39.6	40.1	16.9	3.4	0.0	79.7	39.6	42.1	36.9
International Avg.	646	26.6	33.4	24.5	15.5	0.1	59.9	26.6	28.3	24.8
Basque Country, Spain	326	38.3	36.1	11.1	14.4	0.0	74.5	38.3	39.7	37.0
British Columbia, Canada	602	42.8	42.9	7.4	6.7	0.2	85.7	42.8	49.0	36.8
Dubai, UAE	427	32.3	35.8	18.7	12.9	0.3	68.1	32.3	38.5	26.1
Massachusetts, US	262	45.6	40.2	12.5	1.8	0.0	85.8	45.6	54.9	38.9
Minnesota, US	256	43.3	42.3	14.2	0.2	0.0	85.6	43.3	49.3	37.8
Ontario, Canada	500	40.0	44.2	12.0	3.6	0.2	84.2	40.0	44.0	36.8
Quebec, Canada	553	37.2	41.7	13.4	7.5	0.2	78.9	37.2	39.2	35.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042054 - S04_05)
 Label: Which one caused by a virus
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	766	66.6	4.6	13.3	13.5	66.6	1.9	0.1	65.1	67.9
Armenia	669	78.4	3.5	9.2	4.7	78.4	3.9	0.2	78.2	78.7
Australia	570	46.1	8.5	25.6	17.8	46.1	1.9	0.0	44.5	47.5
Bahrain	603	68.0	3.7	15.5	11.9	68.0	0.8	0.0	68.0	68.0
Bosnia and Herzegovina	598	72.4	3.6	12.6	10.6	72.4	0.7	0.0	73.1	71.9
Botswana	600	15.7	18.3	24.2	40.8	15.7	0.9	0.0	17.0	14.3
Bulgaria	440	82.8	1.9	6.9	4.9	82.8	2.8	0.7	86.7	79.8
Chinese Taipei	581	66.0	4.6	12.1	17.3	66.0	0.0	0.0	67.0	65.0
Colombia	712	14.4	9.4	51.5	23.8	14.4	0.5	0.5	15.1	13.7
Cyprus	632	71.5	6.1	13.1	8.0	71.5	1.3	0.0	76.4	66.7
Czech Republic	694	65.5	0.9	11.4	16.0	65.5	6.2	0.0	66.4	64.6
Egypt	941	76.5	5.7	5.4	9.7	76.5	2.2	0.5	82.0	70.9
El Salvador	581	62.3	1.8	3.2	31.1	62.3	1.4	0.2	59.0	66.0
England	560	70.3	2.2	13.3	13.2	70.3	0.9	0.0	72.6	67.8
Georgia	603	88.4	1.5	1.7	7.9	88.4	0.3	0.2	90.3	86.3
Ghana	757	16.7	8.4	32.2	40.2	16.7	2.1	0.5	15.0	18.1
Hong Kong SAR	489	61.3	7.2	13.3	16.3	61.3	1.3	0.5	66.2	56.3
Hungary	583	80.9	1.3	9.5	6.8	80.9	1.3	0.1	81.2	80.5
Indonesia	597	73.4	3.0	6.9	15.8	73.4	0.6	0.3	74.4	72.3
Iran, Islamic Rep. of	568	66.4	8.6	8.6	15.2	66.4	1.3	0.0	67.7	65.3
Israel	489	72.7	7.9	8.9	8.4	72.7	2.0	0.1	73.6	71.7
Italy	619	72.2	2.4	15.5	9.2	72.2	0.7	0.1	75.1	69.5
Japan	611	95.4	0.3	1.3	2.1	95.4	0.8	0.0	97.0	93.8
Jordan	753	78.5	3.5	8.2	9.1	78.5	0.6	0.2	81.5	75.8
Korea, Rep. of	600	76.9	1.6	12.8	8.3	76.9	0.0	0.3	76.6	77.2
Kuwait	586	77.2	4.3	7.9	8.1	77.2	1.7	1.0	79.5	74.4
Lebanon	541	81.6	3.0	5.5	6.9	81.6	2.7	0.2	79.6	84.1
Lithuania	576	81.6	1.6	11.6	4.7	81.6	0.6	0.0	84.4	79.1
Malaysia	629	24.3	12.3	40.3	21.3	24.3	1.4	0.4	24.5	24.2
Malta	660	50.2	3.8	19.1	25.4	50.2	1.1	0.5	51.4	48.9
Morocco	455	66.1	4.3	11.5	16.4	66.1	1.7	0.0	66.9	65.1
Norway	659	74.3	3.7	9.4	11.5	74.3	1.1	0.0	78.3	70.5
Oman	680	60.5	7.7	20.6	9.3	60.5	2.0	0.0	64.8	55.7
Palestinian Nat'l Auth.	618	76.3	3.9	8.9	9.8	76.3	1.1	0.0	83.7	68.8
Qatar	1016	50.4	9.6	22.7	15.3	50.4	2.1	0.0	55.3	45.4
Romania	598	74.2	1.6	8.9	13.3	74.2	1.8	0.2	74.9	73.5
Russian Federation	639	72.4	1.2	7.5	17.3	72.4	1.5	0.0	70.9	74.2
Saudi Arabia	599	55.3	9.8	20.4	12.7	55.3	1.6	0.2	50.8	59.5
Scotland	583	68.4	4.0	14.7	11.4	68.4	1.6	0.0	69.6	67.1
Serbia	570	85.8	0.9	3.1	10.0	85.8	0.2	0.0	87.1	84.6
Singapore	664	41.3	6.0	24.7	27.6	41.3	0.4	0.0	44.3	38.6
Slovenia	580	81.8	1.2	8.3	4.9	81.8	3.8	0.0	85.1	77.7
Sweden	747	75.0	1.1	15.7	5.9	75.0	2.4	0.0	81.7	68.7
Syrian Arab Republic	667	69.6	1.5	9.8	17.7	69.6	1.2	0.2	68.3	71.1
Thailand	769	39.7	9.0	29.9	20.4	39.7	0.8	0.2	38.7	40.7
Tunisia	579	56.7	7.1	15.5	16.2	56.7	4.3	0.2	56.4	57.1
Turkey	634	42.8	11.6	11.2	33.1	42.8	1.3	0.0	47.2	39.3
Ukraine	637	65.1	1.8	8.0	22.2	65.1	2.9	0.0	66.5	63.7
United States	1060	45.9	5.3	30.4	17.7	45.9	0.7	0.0	50.3	41.2
International Avg.	640	64.4	4.8	14.3	14.7	64.4	1.6	0.2	65.9	62.9
Basque Country, Spain	326	83.3	3.7	8.3	3.9	83.3	0.8	0.0	87.0	79.8
British Columbia, Canada	602	52.8	5.7	29.2	10.8	52.8	1.2	0.2	54.3	51.4
Dubai, UAE	426	56.6	5.2	23.5	11.6	56.6	2.8	0.3	60.6	52.6
Massachusetts, US	262	38.5	5.0	39.1	16.0	38.5	1.4	0.0	46.3	33.0
Minnesota, US	256	65.1	3.7	22.8	7.7	65.1	0.7	0.0	70.9	59.6
Ontario, Canada	500	54.6	4.3	23.8	15.6	54.6	1.3	0.4	59.4	50.8
Quebec, Canada	553	71.1	4.0	14.6	6.9	71.1	3.2	0.2	70.5	71.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042043 - S04_06)
 Label: Draw the direction of energy flow
 Type: CR Key: -

COUNTRY	N	10	11	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	765	3.5	33.9	35.5	0.9	18.6	7.4	0.1	37.4	39.9	35.3
Armenia	674	20.7	17.4	0.0	9.8	22.4	29.2	0.5	38.2	39.3	37.3
Australia	572	0.8	34.8	0.1	0.0	57.8	6.5	0.0	35.6	37.4	34.0
Bahrain	603	0.7	28.2	36.4	5.6	18.0	11.1	0.0	28.9	34.6	23.5
Bosnia and Herzegovina	598	1.5	56.6	14.1	1.0	18.6	8.1	0.0	58.2	60.1	56.5
Botswana	600	0.4	17.9	2.3	1.5	62.4	15.5	0.0	18.3	21.6	14.5
Bulgaria	440	2.5	22.3	1.4	12.3	41.2	19.5	0.7	24.8	25.0	24.7
Chinese Taipei	581	8.0	27.9	19.8	0.3	39.5	4.5	0.0	35.9	30.7	40.6
Colombia	712	0.3	33.0	1.0	0.5	55.4	9.2	0.6	33.3	33.4	33.3
Cyprus	632	0.0	18.5	36.8	0.6	32.2	11.8	0.0	18.5	17.9	19.1
Czech Republic	694	1.2	31.6	0.6	1.2	59.6	5.8	0.0	32.8	34.7	30.9
Egypt	942	1.0	13.7	20.0	1.0	49.8	14.2	0.5	14.7	15.2	14.2
El Salvador	581	0.1	22.0	7.1	3.3	47.3	20.0	0.2	22.1	20.5	23.9
England	560	1.1	28.6	2.5	1.1	63.2	3.5	0.0	29.7	29.6	29.8
Georgia	603	0.4	28.2	19.2	5.1	21.5	25.3	0.2	28.7	31.5	25.7
Ghana	757	0.5	11.1	1.8	2.2	37.9	45.7	1.0	11.5	8.9	13.7
Hong Kong SAR	489	1.8	29.2	0.2	1.0	61.4	5.9	0.5	31.0	27.6	34.4
Hungary	583	3.4	37.3	2.4	1.4	52.7	2.7	0.1	40.7	39.0	42.4
Indonesia	597	20.6	47.9	7.3	5.5	14.5	3.9	0.3	68.5	70.6	66.0
Iran, Islamic Rep. of	568	0.9	16.8	14.5	2.4	48.0	17.5	0.0	17.7	19.0	16.5
Israel	489	2.1	30.7	2.5	14.3	30.9	19.2	0.1	32.8	38.4	26.9
Italy	622	1.2	36.7	29.5	0.9	18.1	13.4	0.1	37.9	32.4	43.0
Japan	611	2.2	19.6	31.7	0.8	43.0	2.7	0.0	21.8	21.1	22.5
Jordan	753	5.0	40.6	0.8	1.1	45.0	7.3	0.2	45.6	50.3	41.4
Korea, Rep. of	600	1.1	35.4	38.6	0.1	23.0	1.5	0.3	36.4	34.3	38.4
Kuwait	586	0.6	6.7	0.2	2.0	69.1	20.4	1.0	7.3	9.0	5.2
Lebanon	547	1.3	17.1	21.0	0.1	42.3	18.0	0.2	18.4	19.9	16.5
Lithuania	578	1.6	43.9	0.1	0.6	49.8	3.9	0.0	45.6	41.1	49.4
Malaysia	629	2.8	37.3	3.5	7.8	42.5	5.6	0.4	40.1	43.1	36.6
Malta	662	1.3	22.2	0.9	0.9	67.1	7.0	0.5	23.5	23.9	23.1
Morocco	456	7.5	5.8	51.2	1.5	14.4	19.3	0.2	13.4	15.0	11.7
Norway	659	1.0	28.6	0.2	1.2	56.8	12.2	0.0	29.5	29.2	29.9
Oman	680	0.6	24.2	0.5	2.5	61.5	10.7	0.0	24.8	26.6	22.8
Palestinian Nat'l Auth.	618	1.1	25.2	15.8	3.0	43.8	10.8	0.2	26.3	25.8	26.8
Qatar	1016	0.1	25.6	8.8	2.5	39.1	24.0	0.0	25.7	31.4	20.0
Romania	600	2.6	42.8	16.3	0.9	32.3	4.9	0.2	45.4	51.7	39.9
Russian Federation	639	1.0	18.9	0.3	1.5	67.0	11.3	0.0	19.9	18.1	22.0
Saudi Arabia	601	3.5	34.3	1.5	7.5	41.7	11.4	0.2	37.8	46.8	29.2
Scotland	583	0.2	25.8	2.6	0.7	65.2	5.6	0.0	25.9	25.6	26.4
Serbia	585	0.4	46.3	30.2	0.7	15.3	7.2	0.0	46.6	45.2	48.0
Singapore	664	11.7	23.7	6.7	0.1	56.3	1.6	0.0	35.3	32.4	37.9
Slovenia	580	1.4	50.9	0.0	0.5	45.4	1.8	0.0	52.3	51.0	54.0
Sweden	747	1.3	34.0	3.8	7.3	47.0	6.7	0.0	35.2	35.6	34.8
Syrian Arab Republic	667	3.1	33.3	49.9	0.6	5.0	7.8	0.2	36.5	36.3	36.6
Thailand	769	2.0	45.3	10.8	0.3	35.9	5.5	0.2	47.3	46.0	48.6
Tunisia	580	1.4	22.0	3.4	1.1	62.8	9.1	0.2	23.4	22.6	24.4
Turkey	634	3.6	30.9	16.9	2.0	35.8	10.8	0.0	34.5	36.6	32.8
Ukraine	637	0.3	16.1	0.1	0.8	70.1	12.5	0.0	16.4	14.9	17.9
United States	1060	1.7	29.9	60.0	0.3	4.2	3.9	0.0	31.6	26.9	36.8
International Avg.	641	2.7	28.8	12.9	2.5	41.9	11.1	0.2	31.5	32.0	31.0
Basque Country, Spain	326	1.3	28.3	45.4	1.4	13.9	9.8	0.0	29.6	29.4	29.8
British Columbia, Canada	602	1.7	35.9	12.0	1.3	43.8	5.0	0.2	37.6	36.5	38.6
Dubai, UAE	427	1.6	37.2	14.2	11.7	24.4	10.7	0.3	38.8	40.8	36.8
Massachusetts, US	262	4.8	27.9	59.6	0.6	3.2	3.8	0.0	32.7	37.5	29.3
Minnesota, US	256	3.6	34.0	57.4	0.0	2.4	2.7	0.0	37.6	32.0	42.7
Ontario, Canada	500	3.1	35.0	11.8	2.2	42.7	4.8	0.4	38.1	38.2	38.1
Quebec, Canada	553	2.5	33.2	29.5	0.6	29.2	4.8	0.2	35.7	32.6	38.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042196 - S04_07)
 Label: Advantage of parallel circuits
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	757	3.8	66.6	29.3	0.3	3.8	3.4	4.2
Armenia	674	34.0	18.7	46.2	1.0	34.0	33.2	34.7
Australia	572	15.2	59.7	24.8	0.3	15.2	13.0	17.1
Bahrain	603	24.0	55.6	20.4	0.0	24.0	32.0	16.4
Bosnia and Herzegovina	598	7.5	33.5	59.0	0.0	7.5	5.9	8.9
Botswana	598	1.4	80.5	18.1	0.0	1.4	0.9	2.0
Bulgaria	440	21.7	24.3	53.2	0.7	21.7	22.2	21.4
Chinese Taipei	581	7.2	71.4	21.4	0.0	7.2	6.0	8.4
Colombia	712	4.9	59.8	33.7	1.6	4.9	3.1	6.7
Cyprus	632	5.7	45.7	48.6	0.0	5.7	5.6	5.8
Czech Republic	694	16.1	50.5	33.3	0.0	16.1	13.6	18.6
Egypt	942	3.5	75.7	20.4	0.5	3.5	3.7	3.3
El Salvador	581	0.7	52.1	46.5	0.6	0.7	0.0	1.5
England	560	38.1	50.3	11.6	0.0	38.1	39.9	36.2
Georgia	603	18.6	29.5	51.0	1.0	18.6	23.0	13.9
Ghana	757	2.5	54.0	42.4	1.1	2.5	3.4	1.8
Hong Kong SAR	489	49.9	40.3	9.2	0.5	49.9	53.8	46.1
Hungary	583	51.9	25.4	22.6	0.1	51.9	47.9	56.1
Indonesia	595	16.0	70.3	13.4	0.3	16.0	16.2	15.8
Iran, Islamic Rep. of	568	12.7	59.5	27.8	0.0	12.7	12.2	13.2
Israel	489	16.9	36.2	45.6	1.2	16.9	18.2	15.6
Italy	622	13.3	39.7	46.7	0.2	13.3	12.2	14.4
Japan	611	22.6	66.1	11.3	0.0	22.6	19.9	25.2
Jordan	753	36.4	53.0	10.1	0.6	36.4	38.7	34.4
Korea, Rep. of	600	24.3	73.6	1.7	0.3	24.3	24.4	24.3
Kuwait	586	24.0	53.2	21.5	1.4	24.0	28.0	19.2
Lebanon	547	21.3	40.7	37.6	0.5	21.3	21.5	21.0
Lithuania	578	0.5	46.9	52.6	0.0	0.5	0.7	0.3
Malaysia	628	6.9	74.7	17.9	0.4	6.9	4.3	10.1
Malta	656	14.1	54.2	31.3	0.5	14.1	10.4	17.9
Morocco	452	22.6	48.1	28.9	0.5	22.6	24.1	21.2
Norway	659	10.1	57.6	32.2	0.0	10.1	8.9	11.3
Oman	680	15.3	70.7	14.1	0.0	15.3	19.9	10.2
Palestinian Nat'l Auth.	618	14.8	70.8	14.0	0.4	14.8	14.9	14.8
Qatar	1016	3.1	59.9	37.0	0.0	3.1	2.8	3.4
Romania	600	28.2	36.7	34.4	0.7	28.2	28.1	28.4
Russian Federation	639	29.6	35.4	34.6	0.4	29.6	29.9	29.2
Saudi Arabia	601	2.6	75.4	21.8	0.2	2.6	3.1	2.2
Scotland	583	30.4	46.8	22.9	0.0	30.4	29.3	31.5
Serbia	579	6.1	26.8	67.1	0.0	6.1	5.5	6.6
Singapore	664	67.3	28.3	4.4	0.0	67.3	70.9	64.0
Slovenia	580	4.8	62.4	32.8	0.0	4.8	5.1	4.5
Sweden	747	40.6	37.2	22.2	0.0	40.6	42.6	38.7
Syrian Arab Republic	667	12.1	57.6	30.1	0.2	12.1	12.1	12.1
Thailand	769	7.7	71.1	21.1	0.2	7.7	6.0	9.3
Tunisia	580	6.1	73.2	20.4	0.2	6.1	7.1	5.0
Turkey	634	5.1	60.8	34.1	0.0	5.1	3.1	6.7
Ukraine	637	19.5	39.0	41.4	0.0	19.5	15.5	23.4
United States	1060	15.5	73.0	11.4	0.1	15.5	14.6	16.5
International Avg.	640	17.5	52.9	29.3	0.3	17.5	17.6	17.4
Basque Country, Spain	326	22.9	51.4	25.8	0.0	22.9	17.7	27.8
British Columbia, Canada	602	5.1	70.0	24.2	0.7	5.1	3.3	6.9
Dubai, UAE	427	21.2	53.0	25.4	0.4	21.2	26.1	16.4
Massachusetts, US	262	12.5	72.6	14.5	0.4	12.5	14.8	10.9
Minnesota, US	256	10.2	85.4	4.4	0.0	10.2	8.5	11.8
Ontario, Canada	500	11.2	65.4	23.0	0.4	11.2	10.1	12.1
Quebec, Canada	553	7.8	67.0	25.0	0.2	7.8	8.1	7.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042061 - S04_08)
 Label: Arrangement of particles in a metal
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	770	28.9	7.4	33.5	24.8	28.9	5.0	0.3	29.7	28.2
Armenia	670	32.1	13.0	12.0	33.1	32.1	8.5	1.2	37.5	27.5
Australia	572	44.3	11.5	12.9	30.2	44.3	0.6	0.5	42.9	45.4
Bahrain	603	37.3	11.1	25.4	21.5	37.3	4.8	0.0	40.6	34.1
Bosnia and Herzegovina	598	23.6	13.8	23.2	32.1	23.6	7.3	0.0	23.4	23.8
Botswana	596	22.7	23.2	24.2	28.0	22.7	1.8	0.2	22.2	23.3
Bulgaria	440	26.1	20.1	15.3	29.1	26.1	8.6	0.7	19.5	31.3
Chinese Taipei	581	27.2	36.2	11.0	25.4	27.2	0.3	0.0	28.4	26.1
Colombia	712	33.5	10.2	31.1	20.7	33.5	2.7	1.8	35.2	31.8
Cyprus	632	36.5	15.6	18.2	27.5	36.5	2.2	0.0	40.4	32.7
Czech Republic	694	36.2	18.9	17.9	25.2	36.2	1.7	0.0	33.0	39.4
Egypt	939	25.4	11.3	26.4	34.4	25.4	2.1	0.5	24.9	25.9
El Salvador	581	24.5	12.3	32.9	25.8	24.5	3.9	0.6	28.2	20.4
England	560	54.0	10.9	10.7	22.1	54.0	2.3	0.0	53.0	55.2
Georgia	602	23.8	14.5	16.3	41.3	23.8	3.0	1.1	16.2	31.8
Ghana	757	20.8	17.0	42.8	14.8	20.8	3.7	1.1	23.2	18.7
Hong Kong SAR	489	28.9	28.5	7.0	34.8	28.9	0.3	0.5	26.5	31.2
Hungary	583	39.1	17.6	16.1	25.7	39.1	1.4	0.1	31.4	47.0
Indonesia	597	23.5	17.5	27.7	28.8	23.5	2.2	0.3	23.8	23.1
Iran, Islamic Rep. of	567	32.6	13.7	22.9	28.8	32.6	2.0	0.0	33.1	32.3
Israel	489	54.0	8.1	12.7	20.8	54.0	3.0	1.3	59.6	48.1
Italy	618	39.1	16.5	14.1	27.0	39.1	3.1	0.2	36.9	41.2
Japan	611	33.1	23.6	22.2	19.6	33.1	1.3	0.2	29.5	36.6
Jordan	753	40.2	10.1	20.1	27.5	40.2	1.5	0.6	35.2	44.6
Korea, Rep. of	600	60.8	7.9	9.5	21.2	60.8	0.3	0.3	62.1	59.6
Kuwait	586	27.8	11.6	22.9	31.1	27.8	4.9	1.7	29.1	26.3
Lebanon	536	32.2	17.3	28.8	17.2	32.2	4.0	0.5	31.5	33.1
Lithuania	577	47.7	12.1	8.4	30.3	47.7	1.6	0.0	43.3	51.6
Malaysia	629	31.0	30.5	9.8	28.1	31.0	0.2	0.4	29.2	33.2
Malta	661	38.7	12.8	19.4	25.1	38.7	3.5	0.5	37.1	40.4
Morocco	452	25.3	18.1	25.3	27.2	25.3	3.7	0.5	23.6	27.2
Norway	659	40.6	10.5	17.4	27.5	40.6	4.0	0.0	43.3	38.1
Oman	680	38.3	12.4	23.0	24.8	38.3	1.6	0.0	39.8	36.5
Palestinian Nat'l Auth.	618	23.3	15.8	26.9	30.3	23.3	3.3	0.4	21.9	24.7
Qatar	1016	23.1	19.6	30.8	22.7	23.1	3.7	0.2	25.4	20.8
Romania	600	23.0	19.8	29.5	23.3	23.0	3.8	0.7	24.9	21.2
Russian Federation	639	39.8	14.7	12.0	30.4	39.8	2.7	0.4	38.1	41.7
Saudi Arabia	601	28.5	14.8	26.1	27.8	28.5	2.6	0.2	31.9	25.2
Scotland	583	41.3	16.9	12.9	27.8	41.3	1.2	0.0	43.5	38.9
Serbia	582	22.8	16.5	22.5	29.9	22.8	8.3	0.0	24.2	21.4
Singapore	664	51.3	21.2	6.1	21.2	51.3	0.2	0.0	54.3	48.7
Slovenia	580	52.1	11.8	17.7	17.6	52.1	0.9	0.0	49.7	54.9
Sweden	747	45.7	11.1	14.5	25.7	45.7	3.0	0.0	43.7	47.6
Syrian Arab Republic	666	19.3	21.9	27.6	28.6	19.3	2.4	0.2	17.9	20.8
Thailand	769	31.8	18.9	26.8	21.9	31.8	0.3	0.4	33.9	29.8
Tunisia	581	29.0	8.5	36.1	21.5	29.0	4.7	0.2	28.9	29.1
Turkey	634	29.8	16.4	27.7	25.4	29.8	0.7	0.0	29.1	30.4
Ukraine	637	37.0	13.1	13.0	35.4	37.0	1.4	0.0	36.2	37.8
United States	1060	39.8	11.2	20.3	28.1	39.8	0.4	0.2	37.7	42.0
International Avg.	640	34.0	15.7	20.6	26.5	34.0	2.8	0.4	33.8	34.3
Basque Country, Spain	326	37.5	11.9	20.8	27.2	37.5	2.6	0.0	38.5	36.5
British Columbia, Canada	602	45.3	9.4	13.0	29.7	45.3	1.9	0.7	43.6	47.0
Dubai, UAE	427	46.7	9.9	14.3	24.3	46.7	3.9	0.9	49.3	44.2
Massachusetts, US	262	48.5	7.6	14.1	28.7	48.5	0.8	0.4	51.7	46.3
Minnesota, US	256	33.0	16.2	17.7	33.1	33.0	0.0	0.0	28.1	37.7
Ontario, Canada	500	45.8	8.2	11.4	33.4	45.8	0.8	0.5	49.5	42.8
Quebec, Canada	553	39.8	10.5	26.2	22.6	39.8	0.6	0.2	39.7	40.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042292 - S04_09)
 Label: Magnets 1-2 touch but 2-3 do not
 Type: CR Key: -

COUNTRY	N	20	10	11	70	71	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	759	1.8	17.2	9.9	3.4	7.4	47.7	12.2	0.4	28.8	1.8	0.7	2.7
Armenia	674	14.8	39.1	1.1	4.6	0.1	4.3	34.8	1.2	55.0	14.8	16.3	13.5
Australia	572	23.4	1.5	7.3	1.2	29.0	29.7	7.3	0.5	32.2	23.4	22.5	24.2
Bahrain	603	26.3	19.3	16.2	3.6	6.5	14.2	13.9	0.0	61.8	26.3	39.1	14.0
Bosnia and Herzegovina	598	28.4	6.0	21.0	1.5	0.8	16.0	26.3	0.0	55.4	28.4	28.4	28.3
Botswana	596	14.9	3.8	3.4	2.7	3.3	64.5	7.4	0.2	22.0	14.9	13.2	16.8
Bulgaria	440	24.2	4.2	11.8	1.2	6.0	20.5	31.3	0.7	40.2	24.2	28.1	21.2
Chinese Taipei	.	.	.	.	.	.	.	.	.	.	.	.	.
Colombia	712	5.6	2.4	5.1	2.8	17.3	54.6	10.1	2.1	13.1	5.6	2.9	8.3
Cyprus	632	1.8	1.0	6.4	1.0	9.8	43.1	36.8	0.0	9.2	1.8	1.9	1.7
Czech Republic	694	44.9	4.1	20.6	2.1	7.2	14.9	6.3	0.0	69.6	44.9	42.3	47.4
Egypt	942	27.0	12.5	5.4	0.9	2.6	36.7	14.5	0.5	44.9	27.0	29.0	25.0
El Salvador	581	2.6	3.2	3.3	3.1	10.4	57.6	19.0	0.6	9.2	2.6	1.1	4.2
England	560	46.4	6.0	24.7	2.3	4.4	10.8	5.5	0.0	77.0	46.4	46.3	46.5
Georgia	603	5.5	2.7	17.2	0.6	5.0	22.2	45.9	1.0	25.3	5.5	4.5	6.4
Ghana	757	8.6	1.6	1.4	1.3	2.9	54.1	29.0	1.3	11.5	8.6	5.3	11.2
Hong Kong SAR	489	19.9	5.5	7.8	1.8	30.4	22.4	11.7	0.5	33.2	19.9	18.5	21.3
Hungary	583	46.8	5.1	16.4	1.6	13.0	11.2	5.8	0.1	68.3	46.8	47.6	46.0
Indonesia	593	22.5	10.3	5.4	7.1	0.9	47.6	6.0	0.3	38.2	22.5	20.5	24.8
Iran, Islamic Rep. of	568	40.0	7.5	6.7	3.0	11.4	22.4	8.9	0.0	54.2	40.0	37.0	42.6
Israel	489	10.2	4.7	9.1	1.8	12.8	34.8	25.3	1.3	24.0	10.2	9.3	11.1
Italy	622	35.9	1.7	18.5	2.9	0.9	23.0	16.9	0.2	56.2	35.9	32.0	39.5
Japan	611	70.7	6.2	5.6	1.9	5.9	5.8	3.6	0.2	82.5	70.7	70.2	71.2
Jordan	753	20.0	4.7	6.9	1.3	23.8	35.4	7.3	0.7	31.5	20.0	20.1	19.8
Korea, Rep. of	600	52.3	7.0	12.2	1.8	14.3	10.3	1.9	0.3	71.5	52.3	58.3	46.7
Kuwait	586	19.3	25.7	6.5	2.6	0.0	21.5	22.6	1.7	51.6	19.3	23.4	14.5
Lebanon	547	6.3	3.1	0.1	1.2	22.3	38.8	27.6	0.7	9.5	6.3	6.7	5.7
Lithuania	578	8.4	0.1	21.5	1.0	3.8	48.5	16.5	0.0	30.1	8.4	5.4	11.1
Malaysia	629	45.6	4.1	1.6	5.0	3.6	30.6	9.1	0.4	51.3	45.6	44.1	47.4
Malta	662	14.2	2.5	3.4	1.8	18.5	40.3	18.8	0.5	20.1	14.2	8.8	19.8
Morocco	457	15.0	4.9	6.1	0.6	0.8	44.1	27.9	0.5	26.1	15.0	14.1	16.0
Norway	659	13.7	1.8	3.8	2.3	16.3	37.8	24.1	0.1	19.4	13.7	11.0	16.2
Oman	680	16.2	4.2	10.9	2.0	9.5	47.6	9.7	0.0	31.3	16.2	21.8	10.0
Palestinian Nat'l Auth.	618	12.9	2.6	6.7	1.8	10.4	53.6	11.7	0.4	22.1	12.9	15.4	10.4
Qatar	1016	8.8	3.1	4.4	0.9	9.9	42.8	30.0	0.2	16.3	8.8	12.4	5.2
Romania	600	42.7	2.9	8.8	1.3	5.4	22.3	16.0	0.7	54.4	42.7	38.2	46.8
Russian Federation	639	33.7	2.2	2.3	3.1	18.8	24.1	15.5	0.4	38.1	33.7	30.9	36.9
Saudi Arabia	601	7.6	2.7	10.1	3.7	11.2	46.0	18.4	0.2	20.4	7.6	10.7	4.7
Scotland	583	11.2	4.3	14.3	2.6	18.9	31.1	17.6	0.0	29.8	11.2	9.4	13.1
Serbia	585	42.6	5.2	1.7	1.4	11.1	18.3	19.8	0.0	49.5	42.6	41.6	43.5
Singapore	664	60.9	4.3	10.8	2.6	8.6	9.4	3.4	0.0	76.0	60.9	64.5	57.8
Slovenia	580	10.0	6.1	32.0	1.0	7.3	37.9	5.7	0.0	48.1	10.0	8.3	12.1
Sweden	747	23.2	3.2	4.0	1.4	34.6	18.7	14.9	0.0	30.4	23.2	24.8	21.7
Syrian Arab Republic	667	6.7	3.2	3.7	1.4	15.6	51.8	16.9	0.5	13.7	6.7	7.0	6.4
Thailand	769	23.1	7.7	11.4	4.4	11.8	30.0	11.3	0.4	42.2	23.1	22.8	23.4
Tunisia	581	23.8	3.5	4.4	3.3	6.8	49.4	8.7	0.2	31.7	23.8	21.9	26.0
Turkey	634	16.5	6.0	3.7	4.1	8.7	41.4	19.4	0.0	26.3	16.5	16.4	16.7
Ukraine	637	21.3	11.9	8.0	5.7	10.9	25.9	16.3	0.0	41.2	21.3	23.3	19.5
United States	1060	16.4	2.1	10.6	2.3	25.8	37.7	4.9	0.2	21.2	16.4	15.1	17.8
International Avg.	642	22.8	6.1	9.0	2.3	10.8	32.4	16.1	0.4	38.0	22.8	22.8	22.9
Basque Country, Spain	326	21.1	3.5	4.5	3.6	23.5	27.8	16.1	0.0	29.1	21.1	16.3	25.6
British Columbia, Canada	602	16.2	3.8	11.6	1.0	26.8	29.9	9.9	0.7	31.6	16.2	16.6	15.8
Dubai, UAE	427	26.2	10.7	13.3	4.0	13.4	18.4	13.2	0.9	50.1	26.2	25.2	27.2
Massachusetts, US	262	28.1	4.3	13.5	1.8	23.9	25.9	2.1	0.4	45.9	28.1	31.4	25.8
Minnesota, US	256	13.2	0.8	9.5	0.6	33.0	40.3	2.6	0.0	23.5	13.2	5.1	20.7
Ontario, Canada	500	27.3	3.8	15.8	0.4	24.7	19.3	8.3	0.5	46.9	27.3	23.6	30.2
Quebec, Canada	553	11.4	2.4	7.8	0.8	27.8	35.6	14.0	0.2	21.7	11.4	8.3	14.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S042109 - S04_10)
 Label: Gas necessary for combustion
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	770	30.9	26.0	30.9	14.2	25.9	2.5	0.5	26.3	34.9
Armenia	674	64.1	8.8	64.1	4.3	17.1	4.2	1.5	62.7	65.3
Australia	572	64.1	6.5	64.1	11.9	16.4	0.4	0.7	53.2	73.1
Bahrain	603	48.2	6.7	48.2	17.0	27.5	0.6	0.0	45.8	50.4
Bosnia and Herzegovina	598	73.6	5.8	73.6	9.3	9.5	1.7	0.2	70.0	76.6
Botswana	597	29.1	17.6	29.1	25.3	25.9	1.9	0.2	30.3	27.7
Bulgaria	440	72.1	8.5	72.1	4.0	12.6	2.0	0.7	67.1	76.0
Chinese Taipei	581	83.3	1.4	83.3	3.0	12.0	0.3	0.0	79.3	87.0
Colombia	712	19.2	12.2	19.2	20.0	43.1	3.2	2.4	13.4	24.9
Cyprus	632	43.1	9.7	43.1	16.0	29.6	1.6	0.0	42.9	43.2
Czech Republic	694	81.2	4.3	81.2	6.5	7.5	0.5	0.0	74.8	87.5
Egypt	940	60.1	7.0	60.1	5.3	26.7	0.5	0.5	59.1	61.2
El Salvador	581	15.0	16.2	15.0	15.9	49.4	2.9	0.6	10.5	19.8
England	560	71.6	2.1	71.6	9.5	15.2	1.6	0.0	66.1	77.6
Georgia	603	66.2	9.9	66.2	3.9	18.0	1.0	1.0	61.8	70.8
Ghana	757	41.0	15.3	41.0	14.2	27.0	1.2	1.4	37.9	43.5
Hong Kong SAR	489	84.8	1.1	84.8	3.1	9.9	0.7	0.5	83.2	86.4
Hungary	583	89.2	1.5	89.2	3.9	4.9	0.4	0.1	86.0	92.4
Indonesia	597	25.2	24.3	25.2	21.2	26.8	2.1	0.3	24.5	26.1
Iran, Islamic Rep. of	568	57.1	11.3	57.1	8.7	22.6	0.2	0.0	54.8	59.1
Israel	489	62.9	3.4	62.9	17.3	12.2	2.5	1.7	60.7	65.2
Italy	620	55.5	6.5	55.5	14.0	21.7	2.0	0.2	44.0	65.9
Japan	611	90.9	1.1	90.9	1.8	5.9	0.2	0.2	88.6	93.1
Jordan	753	68.3	6.5	68.3	5.6	18.3	0.6	0.7	68.7	67.9
Korea, Rep. of	600	72.7	2.3	72.7	9.7	14.9	0.0	0.3	64.9	80.0
Kuwait	586	51.3	12.1	51.3	13.8	18.5	2.6	1.7	52.5	49.8
Lebanon	545	53.1	16.4	53.1	9.1	19.7	0.9	0.7	53.4	52.7
Lithuania	576	72.8	7.3	72.8	1.5	17.8	0.6	0.0	65.7	79.1
Malaysia	629	51.7	12.8	51.7	15.0	18.7	1.0	0.9	46.7	57.4
Malta	661	55.2	6.5	55.2	18.3	18.5	1.0	0.5	50.1	60.4
Morocco	455	55.9	7.4	55.9	11.1	23.7	1.2	0.7	58.2	53.9
Norway	659	84.7	3.1	84.7	7.1	4.4	0.6	0.1	83.5	85.8
Oman	680	34.7	13.2	34.7	25.0	25.7	1.1	0.2	34.2	35.3
Palestinian Nat'l Auth.	618	44.2	12.2	44.2	14.6	28.1	0.6	0.4	40.8	47.6
Qatar	1016	44.1	11.6	44.1	18.5	24.5	1.0	0.3	42.7	45.5
Romania	600	57.5	9.2	57.5	12.7	18.6	1.5	0.7	46.3	67.4
Russian Federation	639	76.8	7.4	76.8	4.3	10.4	0.6	0.4	69.3	85.4
Saudi Arabia	601	33.7	16.0	33.7	20.4	28.3	1.3	0.2	25.7	41.3
Scotland	583	66.1	4.6	66.1	10.3	18.6	0.4	0.0	60.0	72.7
Serbia	582	68.5	6.4	68.5	10.4	13.6	1.0	0.0	63.8	73.0
Singapore	664	72.2	7.2	72.2	8.9	11.5	0.3	0.0	68.1	75.8
Slovenia	580	82.7	1.4	82.7	3.8	10.9	1.2	0.0	80.5	85.4
Sweden	747	65.3	6.7	65.3	8.7	18.3	0.9	0.0	58.4	71.8
Syrian Arab Republic	667	70.0	8.5	70.0	9.3	10.9	0.7	0.5	66.2	74.4
Thailand	769	32.9	26.2	32.9	17.4	21.8	1.2	0.4	28.5	37.2
Tunisia	581	70.7	2.3	70.7	3.1	21.1	2.6	0.2	60.3	83.3
Turkey	634	39.5	22.0	39.5	20.6	16.8	1.1	0.0	34.8	43.3
Ukraine	637	73.5	11.0	73.5	5.0	9.3	1.2	0.0	67.5	79.3
United States	1060	61.0	6.7	61.0	12.5	19.4	0.3	0.2	52.9	69.8
International Avg.	641	58.9	9.3	58.9	11.2	19.0	1.2	0.4	54.8	62.9
Basque Country, Spain	326	29.7	8.6	29.7	19.2	40.2	2.2	0.0	18.0	41.0
British Columbia, Canada	602	71.0	5.2	71.0	7.8	13.5	1.8	0.7	62.8	78.8
Dubai, UAE	426	61.7	4.7	61.7	11.0	19.7	2.0	0.9	53.6	69.9
Massachusetts, US	262	65.6	4.2	65.6	13.8	15.1	0.9	0.4	61.0	69.0
Minnesota, US	256	70.6	6.3	70.6	6.2	16.8	0.1	0.0	57.0	83.2
Ontario, Canada	500	60.5	5.8	60.5	14.0	17.7	1.5	0.5	50.9	68.2
Quebec, Canada	553	70.5	4.7	70.5	7.0	17.0	0.6	0.2	62.1	78.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Reasoning (S042232A - S04_11A)
 Label: Different results for mass
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	758	9.0	67.2	23.2	0.6	9.0	11.9	6.5
Armenia	671	22.4	12.5	63.5	1.6	22.4	23.6	21.3
Australia	572	43.2	44.5	11.7	0.7	43.2	45.0	41.6
Bahrain	603	40.7	37.0	22.2	0.0	40.7	58.5	23.8
Bosnia and Herzegovina	598	34.6	22.2	43.0	0.2	34.6	34.7	34.4
Botswana	598	11.0	80.4	8.3	0.4	11.0	11.3	10.6
Bulgaria	440	23.0	24.5	51.8	0.7	23.0	26.3	20.4
Chinese Taipei	581	62.1	24.6	13.3	0.0	62.1	66.2	58.4
Colombia	712	30.9	47.8	18.2	3.1	30.9	31.2	30.5
Cyprus	632	41.4	25.8	32.9	0.0	41.4	52.1	30.9
Czech Republic	694	60.6	23.1	16.2	0.0	60.6	67.0	54.3
Egypt	941	22.8	52.5	24.2	0.5	22.8	26.8	18.8
El Salvador	581	17.7	55.9	25.8	0.6	17.7	18.2	17.1
England	560	48.3	42.5	9.2	0.0	48.3	51.6	44.6
Georgia	602	9.2	16.3	73.5	1.0	9.2	9.3	9.0
Ghana	757	9.0	53.5	35.7	1.8	9.0	9.2	8.7
Hong Kong SAR	489	50.4	37.3	11.8	0.5	50.4	59.1	41.5
Hungary	583	48.2	34.0	17.7	0.1	48.2	53.7	42.4
Indonesia	593	22.2	59.9	17.5	0.4	22.2	22.9	21.3
Iran, Islamic Rep. of	569	33.7	34.9	31.2	0.2	33.7	42.2	26.5
Israel	489	43.0	28.7	26.6	1.7	43.0	51.0	34.4
Italy	622	48.7	25.4	25.7	0.2	48.7	48.4	49.0
Japan	611	58.4	30.7	10.7	0.2	58.4	61.5	55.4
Jordan	753	34.7	52.4	12.3	0.7	34.7	41.4	28.8
Korea, Rep. of	600	58.4	36.0	5.2	0.3	58.4	60.1	56.9
Kuwait	586	19.0	39.3	39.4	2.3	19.0	25.2	11.6
Lebanon	547	29.9	40.2	29.2	0.7	29.9	32.8	26.5
Lithuania	578	40.2	40.7	19.0	0.0	40.2	46.1	35.1
Malaysia	629	39.7	50.0	9.4	0.9	39.7	42.7	36.3
Malta	662	41.4	37.4	20.4	0.8	41.4	47.5	35.2
Morocco	456	21.9	45.4	31.6	1.0	21.9	26.4	17.4
Norway	659	58.6	25.1	16.1	0.1	58.6	62.9	54.6
Oman	680	24.2	58.7	16.8	0.2	24.2	33.7	13.9
Palestinian Nat'l Auth.	618	21.8	59.3	18.4	0.5	21.8	30.5	13.0
Qatar	1016	6.5	60.4	32.8	0.4	6.5	8.8	4.1
Romania	600	46.6	19.5	33.2	0.7	46.6	51.0	42.7
Russian Federation	639	58.6	18.3	22.5	0.5	58.6	59.6	57.5
Saudi Arabia	601	13.2	59.6	27.0	0.2	13.2	21.0	5.8
Scotland	583	42.6	41.1	16.3	0.0	42.6	44.2	40.7
Serbia	585	40.9	20.1	39.0	0.0	40.9	45.2	36.9
Singapore	664	55.9	35.0	9.1	0.0	55.9	62.0	50.5
Slovenia	580	49.0	44.2	6.8	0.0	49.0	48.3	49.9
Sweden	747	60.9	23.9	15.3	0.0	60.9	65.6	56.4
Syrian Arab Republic	667	16.4	52.0	31.1	0.5	16.4	20.6	11.5
Thailand	769	39.7	39.9	20.1	0.4	39.7	45.9	33.5
Tunisia	580	38.9	44.1	16.5	0.4	38.9	36.1	42.3
Turkey	634	29.0	39.5	31.5	0.0	29.0	37.7	22.1
Ukraine	637	34.8	32.6	32.6	0.0	34.8	39.4	30.4
United States	1060	54.6	40.1	5.1	0.2	54.6	59.4	49.3
International Avg.	641	36.1	39.5	23.9	0.5	36.1	40.3	31.9
Basque Country, Spain	326	48.6	34.4	17.1	0.0	48.6	51.8	45.6
British Columbia, Canada	602	50.0	37.6	11.7	0.7	50.0	53.7	46.5
Dubai, UAE	427	38.9	33.4	26.8	0.9	38.9	43.5	34.4
Massachusetts, US	262	59.9	34.7	4.5	0.8	59.9	60.1	59.8
Minnesota, US	256	56.8	41.5	1.7	0.0	56.8	65.6	48.6
Ontario, Canada	500	56.9	34.2	8.4	0.5	56.9	58.1	56.0
Quebec, Canada	553	52.3	37.4	10.2	0.2	52.3	52.1	52.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Reasoning (S042232B - S04_11B)
 Label: Different results for volume
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	759	0.7	70.7	27.0	1.6	0.7	0.5	0.8
Armenia	674	14.1	12.4	69.4	4.1	14.1	15.3	13.1
Australia	572	5.7	74.7	18.9	0.7	5.7	3.9	7.1
Bahrain	603	11.8	60.6	27.3	0.3	11.8	21.5	2.4
Bosnia and Herzegovina	598	3.3	36.0	60.2	0.6	3.3	2.0	4.4
Botswana	598	1.8	87.3	10.5	0.4	1.8	2.2	1.5
Bulgaria	440	2.4	30.9	66.0	0.7	2.4	3.2	1.7
Chinese Taipei	581	24.1	58.5	17.4	0.0	24.1	21.3	26.6
Colombia	712	3.6	67.2	24.9	4.2	3.6	2.5	4.8
Cyprus	632	2.7	54.7	42.3	0.3	2.7	2.4	2.9
Czech Republic	694	12.5	59.2	28.1	0.2	12.5	11.4	13.6
Egypt	941	5.5	66.9	26.9	0.7	5.5	7.9	3.1
El Salvador	581	3.0	57.4	38.4	1.2	3.0	3.3	2.7
England	560	7.6	77.5	14.7	0.2	7.6	6.4	8.9
Georgia	602	1.9	16.4	79.5	2.2	1.9	1.1	2.8
Ghana	757	0.4	48.2	48.3	3.1	0.4	0.3	0.4
Hong Kong SAR	489	14.3	64.5	20.4	0.8	14.3	10.3	18.4
Hungary	583	12.9	60.9	25.9	0.3	12.9	12.7	13.1
Indonesia	596	6.4	70.0	23.2	0.4	6.4	6.7	6.0
Iran, Islamic Rep. of	569	1.9	56.3	40.9	0.9	1.9	2.2	1.7
Israel	489	9.7	51.9	35.8	2.6	9.7	10.4	9.0
Italy	621	13.0	43.0	43.6	0.4	13.0	10.3	15.6
Japan	611	11.1	73.2	15.4	0.4	11.1	11.8	10.3
Jordan	753	3.1	78.7	17.5	0.7	3.1	3.5	2.9
Korea, Rep. of	600	8.5	82.9	8.3	0.3	8.5	8.7	8.3
Kuwait	586	8.8	42.7	45.0	3.5	8.8	13.8	3.0
Lebanon	547	1.2	55.7	42.3	0.8	1.2	1.4	0.8
Lithuania	578	6.5	65.4	28.1	0.0	6.5	6.6	6.4
Malaysia	629	11.4	73.1	14.0	1.4	11.4	10.5	12.4
Malta	662	9.0	60.0	29.8	1.1	9.0	7.3	10.8
Morocco	458	5.1	51.6	39.7	3.7	5.1	5.6	4.6
Norway	659	3.6	68.1	27.4	0.9	3.6	1.9	5.2
Oman	680	3.5	75.1	20.9	0.5	3.5	6.3	0.4
Palestinian Nat'l Auth.	617	2.2	73.4	23.6	0.8	2.2	3.7	0.8
Qatar	1016	1.0	60.6	37.6	0.8	1.0	1.8	0.2
Romania	600	2.8	52.4	43.5	1.3	2.8	2.9	2.7
Russian Federation	639	8.2	57.7	33.1	0.9	8.2	6.7	10.0
Saudi Arabia	601	8.4	61.1	30.0	0.6	8.4	13.7	3.3
Scotland	583	5.1	71.1	23.2	0.7	5.1	5.1	5.1
Serbia	585	7.1	41.2	51.1	0.6	7.1	5.4	8.8
Singapore	664	22.6	65.5	11.9	0.1	22.6	21.3	23.7
Slovenia	580	6.8	79.5	13.7	0.0	6.8	6.5	7.1
Sweden	747	14.9	55.3	29.8	0.0	14.9	13.4	16.3
Syrian Arab Republic	667	1.9	57.4	39.9	0.8	1.9	1.6	2.3
Thailand	769	6.2	68.5	24.6	0.7	6.2	5.0	7.4
Tunisia	580	3.9	70.4	24.7	1.1	3.9	3.4	4.3
Turkey	634	6.5	51.8	41.7	0.0	6.5	6.4	6.6
Ukraine	637	8.6	46.7	44.7	0.0	8.6	8.0	9.2
United States	1060	2.4	88.1	9.3	0.2	2.4	2.0	2.9
International Avg.	641	6.9	60.3	31.8	1.0	6.9	7.0	6.9
Basque Country, Spain	326	6.9	61.0	31.8	0.2	6.9	5.4	8.4
British Columbia, Canada	602	14.9	66.9	17.5	0.7	14.9	14.5	15.3
Dubai, UAE	427	10.2	54.3	34.6	0.9	10.2	12.8	7.5
Massachusetts, US	262	5.3	87.0	5.7	1.9	5.3	3.9	6.3
Minnesota, US	256	3.7	92.1	4.2	0.0	3.7	5.4	2.2
Ontario, Canada	500	14.2	69.6	15.6	0.5	14.2	19.3	10.2
Quebec, Canada	553	9.8	72.3	17.3	0.6	9.8	10.6	9.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Reasoning (S042232C - S04_11C)
 Label: Group measured the closest density
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	769	39.6	20.5	17.4	39.6	13.3	7.3	1.9	37.2	41.6
Armenia	668	32.0	12.4	13.8	32.0	5.3	32.1	4.3	31.2	32.8
Australia	572	42.8	20.7	20.0	42.8	11.7	3.9	1.0	47.2	39.1
Bahrain	603	30.8	23.4	25.5	30.8	13.8	5.9	0.6	31.5	30.2
Bosnia and Herzegovina	598	30.4	19.7	18.3	30.4	12.2	18.9	0.6	26.6	33.7
Botswana	600	31.6	27.2	18.8	31.6	18.9	3.1	0.4	29.7	33.8
Bulgaria	440	27.8	21.0	25.7	27.8	10.1	14.7	0.9	24.2	30.6
Chinese Taipei	581	47.1	16.4	27.6	47.1	8.4	0.6	0.0	43.9	50.0
Colombia	712	30.3	25.9	19.1	30.3	13.2	6.3	5.2	29.7	30.9
Cyprus	632	38.1	20.4	25.0	38.1	11.7	4.4	0.4	37.5	38.8
Czech Republic	694	37.2	20.0	21.2	37.2	11.2	10.2	0.2	37.8	36.6
Egypt	941	36.1	20.3	23.8	36.1	14.7	4.3	0.7	34.9	37.3
El Salvador	580	25.8	21.2	23.7	25.8	18.6	8.2	2.4	27.0	24.6
England	560	44.6	15.2	26.9	44.6	11.1	1.9	0.2	46.9	42.0
Georgia	602	25.5	18.6	20.0	25.5	10.8	22.9	2.2	23.0	28.1
Ghana	757	33.7	23.9	18.8	33.7	13.1	6.9	3.5	33.5	33.8
Hong Kong SAR	489	43.8	21.9	21.5	43.8	9.6	2.0	1.2	41.3	46.3
Hungary	583	35.9	20.3	25.4	35.9	13.2	4.9	0.3	34.6	37.3
Indonesia	597	31.3	28.7	19.4	31.3	13.5	6.6	0.6	29.5	33.2
Iran, Islamic Rep. of	569	33.4	20.1	26.5	33.4	11.5	7.6	0.9	31.7	34.8
Israel	489	36.0	20.3	22.3	36.0	9.2	9.5	2.7	33.2	38.9
Italy	619	31.7	20.8	21.3	31.7	12.6	13.0	0.7	30.1	33.1
Japan	611	40.6	22.3	23.5	40.6	10.9	2.2	0.6	40.1	41.0
Jordan	753	34.8	20.1	24.8	34.8	14.9	4.8	0.7	34.4	35.0
Korea, Rep. of	600	55.0	14.2	25.7	55.0	4.1	0.8	0.3	55.0	55.0
Kuwait	586	31.9	16.9	27.5	31.9	11.4	8.8	3.5	26.1	38.7
Lebanon	.	.	.	.	.	.	.	.	.	.
Lithuania	576	40.6	20.6	20.3	40.6	11.9	6.6	0.0	39.0	41.9
Malaysia	629	42.2	20.6	22.7	42.2	11.0	2.0	1.6	47.2	36.3
Malta	659	37.0	19.1	24.1	37.0	12.7	6.0	1.1	37.2	36.8
Morocco	446	39.2	19.5	17.7	39.2	12.0	7.6	4.0	40.3	38.3
Norway	659	28.0	23.1	29.3	28.0	9.8	8.9	0.9	27.9	28.0
Oman	680	39.0	20.2	20.4	39.0	16.9	3.0	0.5	43.1	34.6
Palestinian Nat'l Auth.	618	36.7	19.3	25.2	36.7	15.1	2.9	0.8	36.1	37.4
Qatar	1016	29.0	21.6	28.7	29.0	17.6	2.2	0.9	30.0	28.0
Romania	600	32.2	18.5	23.5	32.2	13.3	10.6	1.8	35.0	29.6
Russian Federation	639	32.1	19.6	21.1	32.1	11.8	13.8	1.6	30.0	34.7
Saudi Arabia	601	30.2	26.6	23.1	30.2	14.5	4.6	0.9	29.4	31.0
Scotland	583	39.2	18.7	23.1	39.2	12.2	6.0	0.8	38.2	40.3
Serbia	582	37.1	17.5	18.5	37.1	9.4	17.0	0.6	33.8	40.1
Singapore	664	47.0	18.9	21.6	47.0	10.5	1.8	0.1	46.5	47.5
Slovenia	580	33.8	27.0	22.0	33.8	13.3	3.9	0.0	31.3	36.8
Sweden	747	35.1	19.8	25.6	35.1	10.7	8.9	0.0	33.6	36.4
Syrian Arab Republic	667	39.7	16.2	20.7	39.7	15.6	6.9	0.9	42.6	36.5
Thailand	769	43.2	21.3	21.7	43.2	8.5	4.7	0.7	43.5	42.8
Tunisia	581	32.5	21.6	21.3	32.5	16.9	6.5	1.3	38.2	25.6
Turkey	634	34.3	23.4	21.3	34.3	11.3	9.6	0.2	31.5	36.5
Ukraine	637	32.4	21.7	26.0	32.4	11.1	8.7	0.1	32.2	32.7
United States	1060	40.8	21.2	24.7	40.8	10.9	2.0	0.3	41.1	40.5
International Avg.	642	36.0	20.6	22.6	36.0	12.2	7.4	1.1	35.5	36.5
Basque Country, Spain	326	35.8	23.5	22.5	35.8	11.3	6.7	0.2	39.5	32.2
British Columbia, Canada	602	41.4	20.0	20.4	41.4	12.1	5.2	0.9	44.5	38.5
Dubai, UAE	426	35.8	19.1	24.4	35.8	11.4	8.3	1.0	35.0	36.5
Massachusetts, US	262	43.2	17.9	26.5	43.2	8.4	1.8	2.2	40.8	45.0
Minnesota, US	256	33.6	27.4	26.7	33.6	11.3	1.0	0.0	35.0	32.3
Ontario, Canada	500	40.7	21.0	24.2	40.7	11.3	2.3	0.5	34.9	45.2
Quebec, Canada	553	37.5	19.3	25.3	37.5	11.7	5.7	0.6	35.4	39.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S042294 - S04_12)
 Label: Densities of liquids and disk
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	769	35.4	15.3	25.8	35.4	14.1	6.7	2.7	33.7	36.9
Armenia	672	37.6	19.7	11.8	37.6	12.2	14.4	4.3	39.7	35.8
Australia	572	39.4	23.1	27.0	39.4	8.3	1.2	1.0	32.7	44.9
Bahrain	603	31.1	25.5	28.5	31.1	11.6	2.7	0.6	28.8	33.3
Bosnia and Herzegovina	598	45.1	27.3	11.5	45.1	7.4	8.1	0.6	47.0	43.4
Botswana	600	38.8	20.3	25.0	38.8	14.0	0.7	1.2	41.3	35.9
Bulgaria	440	34.3	31.4	21.0	34.3	7.3	5.2	0.9	32.6	35.6
Chinese Taipei	581	63.9	10.9	15.9	63.9	9.0	0.3	0.0	61.9	65.7
Colombia	712	25.2	21.7	28.8	25.2	14.7	3.2	6.3	23.5	26.8
Cyprus	632	41.1	27.0	17.6	41.1	12.4	1.5	0.4	45.0	37.4
Czech Republic	694	43.8	21.8	25.1	43.8	5.5	3.3	0.5	42.2	45.5
Egypt	940	33.2	23.5	27.3	33.2	13.8	1.4	0.7	34.5	31.9
El Salvador	581	18.2	28.6	24.5	18.2	21.5	4.7	2.5	19.5	16.8
England	560	38.6	22.4	26.7	38.6	10.9	0.6	0.8	39.8	37.2
Georgia	603	30.6	22.7	21.9	30.6	14.4	8.3	2.2	31.7	29.4
Ghana	757	22.7	22.9	26.1	22.7	21.1	3.4	3.8	25.3	20.5
Hong Kong SAR	489	51.9	15.2	20.5	51.9	9.9	1.0	1.4	47.2	56.6
Hungary	583	49.4	25.0	14.6	49.4	3.9	6.7	0.4	47.7	51.0
Indonesia	597	26.2	23.3	22.6	26.2	23.3	2.5	2.0	26.1	26.4
Iran, Islamic Rep. of	569	36.4	22.3	24.3	36.4	13.3	2.9	0.9	40.5	32.9
Israel	489	26.1	33.8	20.7	26.1	11.5	5.2	2.7	26.5	25.8
Italy	615	35.4	30.2	22.5	35.4	7.7	3.4	0.8	29.8	40.5
Japan	611	48.8	12.6	27.9	48.8	8.1	2.0	0.6	51.5	46.2
Jordan	753	44.8	22.1	19.9	44.8	10.5	1.7	0.9	46.6	43.2
Korea, Rep. of	600	80.7	5.8	7.1	80.7	6.0	0.0	0.3	82.4	79.1
Kuwait	586	29.0	30.4	22.5	29.0	11.8	2.6	3.8	33.3	24.0
Lebanon	523	26.0	29.3	24.2	26.0	13.2	5.5	1.8	25.5	26.5
Lithuania	576	36.3	21.5	25.9	36.3	13.1	3.1	0.0	39.1	33.9
Malaysia	629	45.1	19.8	20.8	45.1	11.1	1.5	1.7	44.7	45.5
Malta	658	36.9	23.3	22.6	36.9	14.8	1.3	1.2	34.1	39.8
Morocco	443	37.1	20.4	20.2	37.1	15.0	3.4	3.9	34.7	40.0
Norway	659	37.5	25.2	25.1	37.5	8.6	2.5	1.1	37.3	37.7
Oman	680	37.0	26.7	20.1	37.0	13.8	1.7	0.6	42.7	30.8
Palestinian Nat'l Auth.	618	29.3	25.8	24.4	29.3	18.0	1.4	1.0	33.5	25.2
Qatar	1016	24.5	30.0	25.8	24.5	17.2	1.5	1.1	27.4	21.6
Romania	600	29.5	32.0	20.8	29.5	12.8	2.8	2.1	28.6	30.3
Russian Federation	639	39.7	18.1	24.9	39.7	12.1	3.6	1.6	38.4	41.2
Saudi Arabia	601	35.4	20.4	25.6	35.4	16.2	1.3	1.1	37.3	33.6
Scotland	583	30.0	23.5	31.4	30.0	11.7	2.2	1.1	25.5	34.8
Serbia	578	44.3	28.7	14.8	44.3	6.5	5.0	0.7	45.0	43.6
Singapore	664	61.7	15.6	16.7	61.7	5.3	0.4	0.3	67.0	57.0
Slovenia	580	51.6	20.8	17.9	51.6	6.5	3.2	0.0	56.6	45.5
Sweden	747	29.2	21.0	31.2	29.2	13.4	5.0	0.3	31.3	27.2
Syrian Arab Republic	667	36.1	22.3	25.2	36.1	12.5	2.7	1.2	34.6	37.7
Thailand	769	40.5	20.5	27.4	40.5	9.0	1.9	0.8	41.8	39.2
Tunisia	578	40.2	16.0	26.8	40.2	8.6	6.5	1.8	40.7	39.6
Turkey	634	46.8	19.4	16.2	46.8	13.6	3.8	0.2	49.0	45.0
Ukraine	637	31.0	24.5	34.0	31.0	7.2	3.1	0.1	30.0	32.0
United States	1060	57.2	15.5	19.1	57.2	7.1	0.6	0.5	56.7	57.8
International Avg.	640	38.6	22.6	22.6	38.6	11.7	3.2	1.4	39.0	38.1
Basque Country, Spain	326	39.8	19.1	30.1	39.8	8.0	2.7	0.4	37.6	41.9
British Columbia, Canada	602	59.0	14.2	17.4	59.0	6.6	1.9	0.9	53.0	64.8
Dubai, UAE	427	35.7	29.5	22.5	35.7	6.8	4.5	1.0	37.8	33.6
Massachusetts, US	262	66.9	9.9	14.5	66.9	5.4	0.3	2.9	63.9	69.0
Minnesota, US	256	62.8	15.9	13.9	62.8	6.4	0.9	0.2	55.1	70.0
Ontario, Canada	500	55.4	13.6	21.0	55.4	7.2	1.4	1.4	59.7	52.0
Quebec, Canada	553	63.4	8.2	22.0	63.4	3.8	1.9	0.8	62.3	64.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042149 - S04_13)
 Label: Pollution of underground water
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	764	33.2	46.0	17.8	3.1	33.2	33.7	32.6
Armenia	673	38.9	11.8	44.9	4.4	38.9	35.6	41.6
Australia	572	40.8	47.3	10.9	1.0	40.8	41.1	40.5
Bahrain	603	52.1	29.9	17.2	0.8	52.1	62.4	42.2
Bosnia and Herzegovina	598	58.7	18.6	22.1	0.6	58.7	61.2	56.6
Botswana	600	23.1	67.2	8.4	1.2	23.1	23.1	23.2
Bulgaria	440	51.8	17.3	30.0	0.9	51.8	53.9	50.3
Chinese Taipei	581	63.7	27.4	8.9	0.0	63.7	63.8	63.6
Colombia	712	16.3	59.8	17.0	6.9	16.3	12.8	19.7
Cyprus	632	19.6	53.2	26.7	0.4	19.6	20.1	19.2
Czech Republic	694	69.2	20.0	10.4	0.5	69.2	64.9	73.4
Egypt	942	32.7	54.1	12.5	0.7	32.7	37.1	28.1
El Salvador	581	47.1	30.3	19.3	3.3	47.1	44.8	49.6
England	560	16.8	69.9	12.5	0.8	16.8	15.9	17.8
Georgia	603	26.8	35.3	35.5	2.3	26.8	27.1	26.6
Ghana	757	33.7	31.6	30.3	4.4	33.7	30.4	36.4
Hong Kong SAR	488	40.9	40.1	17.3	1.6	40.9	37.7	44.2
Hungary	583	84.6	12.1	2.7	0.6	84.6	84.8	84.4
Indonesia	596	31.1	52.9	13.9	2.2	31.1	32.5	29.5
Iran, Islamic Rep. of	569	63.5	19.0	16.6	0.9	63.5	66.2	61.1
Israel	489	49.5	24.4	23.4	2.7	49.5	53.1	45.7
Italy	621	52.4	22.0	24.6	1.0	52.4	47.5	56.9
Japan	611	18.2	72.2	9.1	0.6	18.2	18.1	18.2
Jordan	753	67.7	26.6	4.9	0.9	67.7	74.3	61.9
Korea, Rep. of	600	51.8	45.0	2.9	0.3	51.8	47.2	56.1
Kuwait	586	41.0	31.0	23.8	4.2	41.0	46.3	34.8
Lebanon	547	36.0	37.1	24.9	2.1	36.0	41.1	29.7
Lithuania	578	69.5	21.7	8.8	0.0	69.5	71.0	68.1
Malaysia	629	36.6	45.9	15.5	2.0	36.6	38.2	34.8
Malta	661	33.8	37.1	27.9	1.1	33.8	31.2	36.5
Morocco	458	41.2	24.1	30.6	4.1	41.2	45.8	36.8
Norway	659	28.1	51.6	19.2	1.1	28.1	25.9	30.2
Oman	680	61.4	29.4	8.4	0.9	61.4	64.6	58.0
Palestinian Nat'l Auth.	618	39.9	50.4	8.1	1.6	39.9	38.6	41.3
Qatar	1016	17.1	48.5	33.1	1.3	17.1	22.4	11.8
Romania	600	48.6	27.4	21.9	2.1	48.6	48.6	48.7
Russian Federation	639	56.1	18.7	23.5	1.7	56.1	51.4	61.5
Saudi Arabia	601	49.5	34.7	14.6	1.2	49.5	54.5	44.8
Scotland	583	15.1	68.7	15.0	1.1	15.1	13.7	16.6
Serbia	585	61.1	16.4	21.9	0.7	61.1	64.2	58.2
Singapore	664	69.9	22.1	7.7	0.3	69.9	71.7	68.3
Slovenia	580	83.1	12.8	3.9	0.1	83.1	82.9	83.4
Sweden	747	43.0	30.7	26.0	0.3	43.0	44.0	42.1
Syrian Arab Republic	667	40.4	44.1	14.2	1.3	40.4	41.1	39.7
Thailand	767	25.4	49.0	24.9	0.8	25.4	26.7	24.1
Tunisia	581	33.9	50.8	13.4	1.8	33.9	33.3	34.7
Turkey	634	37.7	49.1	13.0	0.2	37.7	35.9	39.2
Ukraine	637	38.9	38.8	22.3	0.1	38.9	39.4	38.4
United States	1060	46.8	47.7	5.0	0.5	46.8	43.7	50.2
International Avg.	641	43.6	37.2	17.7	1.5	43.6	44.2	43.1
Basque Country, Spain	326	36.5	46.1	17.0	0.4	36.5	34.4	38.5
British Columbia, Canada	602	60.3	27.9	10.9	0.9	60.3	61.7	58.9
Dubai, UAE	427	45.8	34.0	19.0	1.1	45.8	46.8	44.8
Massachusetts, US	262	51.2	39.5	6.1	3.2	51.2	53.4	49.6
Minnesota, US	256	52.6	46.3	1.0	0.2	52.6	46.5	58.3
Ontario, Canada	500	65.7	23.9	9.0	1.4	65.7	61.9	68.7
Quebec, Canada	553	56.7	32.2	10.3	0.8	56.7	51.8	61.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S042155 - S04_14)
 Label: Reducing soil erosion
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	767	4.5	47.2	43.9	4.5	4.5	4.3	4.6
Armenia	674	37.0	13.4	44.4	5.2	37.0	36.4	37.5
Australia	572	35.2	45.5	17.7	1.6	35.2	27.9	41.4
Bahrain	603	21.6	46.2	31.3	0.9	21.6	24.5	18.9
Bosnia and Herzegovina	598	42.6	18.6	38.3	0.6	42.6	40.2	44.7
Botswana	600	24.7	67.6	6.2	1.6	24.7	23.6	25.9
Bulgaria	440	26.4	29.2	42.7	1.7	26.4	20.6	30.9
Chinese Taipei	581	73.1	17.3	9.5	0.1	73.1	72.0	74.0
Colombia	712	14.4	53.7	23.7	8.2	14.4	10.7	18.0
Cyprus	632	30.7	28.0	40.9	0.4	30.7	35.0	26.5
Czech Republic	694	42.4	23.1	34.0	0.5	42.4	38.4	46.3
Egypt	942	6.9	64.9	27.4	0.8	6.9	8.0	5.7
El Salvador	581	15.4	54.1	26.4	4.1	15.4	13.1	17.9
England	560	27.4	53.5	18.4	0.8	27.4	24.8	30.2
Georgia	603	30.8	24.2	42.5	2.5	30.8	32.4	29.0
Ghana	757	23.7	45.1	25.0	6.2	23.7	20.1	26.7
Hong Kong SAR	488	62.3	22.6	13.3	1.9	62.3	62.7	61.9
Hungary	583	29.1	42.4	27.9	0.6	29.1	27.9	30.3
Indonesia	596	46.2	42.5	8.6	2.6	46.2	48.6	43.5
Iran, Islamic Rep. of	569	38.6	43.1	16.7	1.6	38.6	36.7	40.2
Israel	489	31.9	25.9	38.1	4.1	31.9	36.7	26.7
Italy	622	49.7	19.3	29.9	1.2	49.7	43.0	55.8
Japan	611	47.4	36.7	15.2	0.7	47.4	43.9	50.7
Jordan	753	47.7	38.9	12.6	0.9	47.7	53.0	43.0
Korea, Rep. of	600	49.2	43.7	6.9	0.3	49.2	42.9	55.0
Kuwait	586	6.7	42.4	45.3	5.6	6.7	7.4	5.9
Lebanon	547	21.3	34.4	41.6	2.7	21.3	19.0	24.2
Lithuania	578	14.2	48.7	37.0	0.1	14.2	12.8	15.4
Malaysia	629	57.8	28.6	11.0	2.5	57.8	58.6	56.9
Malta	662	19.4	42.2	36.4	1.9	19.4	17.9	21.0
Morocco	458	9.3	34.4	51.1	5.2	9.3	7.6	11.1
Norway	659	7.5	48.4	42.9	1.3	7.5	6.2	8.7
Oman	680	11.3	68.3	19.5	0.9	11.3	16.8	5.4
Palestinian Nat'l Auth.	618	12.7	64.9	20.8	1.6	12.7	13.1	12.3
Qatar	1016	3.2	52.3	42.5	2.0	3.2	4.1	2.4
Romania	600	43.3	24.0	30.4	2.4	43.3	44.1	42.6
Russian Federation	639	39.1	28.9	30.1	1.9	39.1	35.4	43.3
Saudi Arabia	601	12.2	55.6	30.2	2.0	12.2	14.4	10.2
Scotland	583	13.0	56.1	29.8	1.1	13.0	11.0	15.1
Serbia	585	33.1	24.0	41.8	1.1	33.1	32.1	34.1
Singapore	664	58.9	32.4	8.5	0.3	58.9	60.8	57.3
Slovenia	580	33.1	49.2	17.6	0.1	33.1	30.6	36.1
Sweden	747	11.4	46.7	41.2	0.7	11.4	10.7	12.0
Syrian Arab Republic	667	17.9	55.9	24.1	2.1	17.9	16.3	19.8
Thailand	767	65.4	24.0	9.5	1.1	65.4	62.3	68.5
Tunisia	581	28.2	49.0	20.4	2.3	28.2	26.1	30.8
Turkey	634	48.9	35.6	15.4	0.2	48.9	47.4	50.0
Ukraine	637	35.3	31.2	32.9	0.6	35.3	34.8	35.8
United States	1060	35.2	54.1	9.7	1.0	35.2	32.1	38.5
International Avg.	641	30.6	40.4	27.2	1.9	30.6	29.6	31.5
Basque Country, Spain	326	25.5	39.9	33.3	1.4	25.5	16.9	33.6
British Columbia, Canada	602	32.7	44.7	21.7	0.9	32.7	34.3	31.2
Dubai, UAE	427	38.2	36.3	23.8	1.7	38.2	38.8	37.6
Massachusetts, US	262	46.3	39.0	11.0	3.6	46.3	46.3	46.3
Minnesota, US	256	39.9	55.9	4.1	0.2	39.9	34.0	45.3
Ontario, Canada	500	34.5	44.2	19.5	1.7	34.5	34.9	34.3
Quebec, Canada	553	42.5	39.5	17.0	1.0	42.5	37.9	46.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042150 - S04_15)
 Label: Which resource is nonrenewable
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	27.6	27.6	26.2	13.0	23.7	4.1	5.3	27.2	28.0
Armenia	673	52.0	52.0	14.2	13.9	11.0	3.2	5.7	53.3	51.0
Australia	572	55.4	55.4	10.7	14.1	17.5	0.7	1.6	52.0	58.3
Bahrain	603	49.1	49.1	24.9	11.8	12.7	0.6	0.9	55.5	42.9
Bosnia and Herzegovina	598	55.7	55.7	9.0	6.3	27.3	0.9	0.8	48.3	62.1
Botswana	600	43.7	43.7	11.9	22.1	19.9	0.5	1.8	43.3	44.2
Bulgaria	440	47.5	47.5	13.6	8.4	26.3	2.6	1.7	46.2	48.5
Chinese Taipei	581	66.7	66.7	8.7	10.5	14.0	0.0	0.1	61.2	71.6
Colombia	712	32.9	32.9	16.7	14.4	25.4	1.5	9.1	27.8	38.0
Cyprus	632	56.1	56.1	21.3	9.6	11.8	0.6	0.6	53.8	58.4
Czech Republic	694	59.9	59.9	7.8	6.7	24.0	1.0	0.7	54.3	65.4
Egypt	939	54.5	54.5	12.6	17.5	14.0	0.6	0.9	55.4	53.5
El Salvador	581	42.6	42.6	11.3	12.0	27.3	2.2	4.6	40.7	44.8
England	560	55.9	55.9	8.4	23.1	11.4	0.5	0.8	45.5	67.3
Georgia	603	44.5	44.5	24.6	14.7	12.3	1.3	2.5	40.2	49.2
Ghana	757	29.5	29.5	20.2	15.6	25.8	2.1	6.8	29.5	29.6
Hong Kong SAR	488	71.0	71.0	12.9	5.6	8.4	0.2	1.9	66.7	75.4
Hungary	583	56.5	56.5	17.3	13.1	10.7	1.4	1.1	56.5	56.5
Indonesia	597	38.3	38.3	14.5	6.7	37.1	0.8	2.6	35.3	41.8
Iran, Islamic Rep. of	569	41.4	41.4	13.1	9.8	32.4	1.7	1.6	43.5	39.6
Israel	489	33.2	33.2	35.0	8.8	17.0	2.0	4.1	30.3	36.3
Italy	621	68.0	68.0	11.5	3.0	15.7	0.6	1.2	66.6	69.3
Japan	611	48.8	48.8	18.6	6.7	24.6	0.3	1.0	42.7	54.7
Jordan	753	67.5	67.5	12.8	10.8	7.3	0.7	0.9	67.0	68.0
Korea, Rep. of	600	61.9	61.9	7.0	7.4	23.3	0.0	0.3	58.6	65.1
Kuwait	586	23.2	23.2	36.4	13.5	19.6	1.5	5.8	22.8	23.7
Lebanon	539	55.8	55.8	16.5	10.8	13.5	0.8	2.6	54.7	57.0
Lithuania	576	56.1	56.1	19.6	9.3	14.7	0.2	0.1	51.4	60.3
Malaysia	629	49.2	49.2	11.3	5.8	31.2	0.0	2.5	47.2	51.6
Malta	661	45.5	45.5	11.7	21.2	18.2	1.3	2.0	43.6	47.5
Morocco	448	38.2	38.2	24.7	10.0	19.3	2.6	5.3	37.1	39.5
Norway	659	54.5	54.5	14.7	9.2	17.7	2.3	1.6	52.3	56.5
Oman	680	39.7	39.7	30.1	12.6	15.0	1.6	1.0	42.4	36.8
Palestinian Nat'l Auth.	618	49.9	49.9	20.0	16.1	12.0	0.4	1.6	50.5	49.4
Qatar	1016	22.5	22.5	34.4	20.5	19.1	1.5	2.0	23.0	22.0
Romania	600	42.5	42.5	24.4	11.8	17.9	0.9	2.6	40.3	44.4
Russian Federation	639	62.4	62.4	10.3	5.7	18.4	1.2	1.9	60.4	64.7
Saudi Arabia	598	40.8	40.8	25.7	13.5	17.6	0.4	2.0	40.8	40.8
Scotland	583	51.2	51.2	14.2	10.4	22.1	0.9	1.2	45.0	57.8
Serbia	574	55.1	55.1	9.1	7.7	27.1	0.4	0.6	54.7	55.5
Singapore	664	69.5	69.5	12.5	5.9	11.6	0.2	0.3	67.7	71.0
Slovenia	580	63.4	63.4	8.3	10.2	15.8	2.2	0.1	60.3	67.1
Sweden	747	62.0	62.0	15.5	6.5	14.4	0.9	0.7	63.3	60.7
Syrian Arab Republic	667	25.6	25.6	32.5	25.1	14.1	0.5	2.2	24.1	27.3
Thailand	767	53.0	53.0	18.3	10.4	16.5	0.8	1.1	53.0	52.9
Tunisia	581	29.2	29.2	31.1	14.7	19.5	2.7	2.8	27.6	31.1
Turkey	633	33.7	33.7	11.8	17.3	36.3	0.8	0.2	35.2	32.4
Ukraine	637	49.2	49.2	10.8	12.5	25.0	2.0	0.6	45.1	53.1
United States	1060	58.4	58.4	11.2	11.9	17.2	0.3	1.0	55.1	62.0
International Avg.	640	48.8	48.8	17.1	11.8	19.1	1.2	2.0	46.9	50.7
Basque Country, Spain	326	69.5	69.5	9.1	6.5	12.5	0.6	1.8	62.6	76.1
British Columbia, Canada	602	55.8	55.8	10.6	11.9	19.4	1.4	0.9	52.4	59.1
Dubai, UAE	427	63.1	63.1	11.7	11.2	11.8	0.4	1.7	67.5	58.8
Massachusetts, US	262	55.3	55.3	8.8	16.5	15.2	0.7	3.6	48.6	60.1
Minnesota, US	256	64.8	64.8	8.0	10.6	16.3	0.1	0.2	63.2	66.3
Ontario, Canada	500	63.8	63.8	9.4	9.4	15.3	0.4	1.7	61.7	65.4
Quebec, Canada	553	69.9	69.9	9.5	3.9	15.2	0.5	1.0	65.1	74.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S022290 - S05_01)
 Label: Earth year
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	782	37.6	31.3	9.2	14.7	37.6	6.6	0.6	32.2	42.8
Armenia	673	60.6	24.6	1.6	5.8	60.6	6.6	0.9	59.7	61.4
Australia	579	61.7	25.2	7.0	5.0	61.7	1.2	0.0	54.7	68.3
Bahrain	595	59.0	22.1	5.7	11.2	59.0	1.6	0.2	56.8	61.2
Bosnia and Herzegovina	600	59.4	31.8	1.5	4.8	59.4	2.5	0.0	56.1	62.4
Botswana	604	25.2	30.3	16.8	25.4	25.2	1.8	0.6	23.2	27.5
Bulgaria	436	59.7	23.6	4.5	7.7	59.7	4.5	0.0	58.2	61.0
Chinese Taipei	577	52.4	31.9	3.9	11.8	52.4	0.0	0.0	50.0	54.6
Colombia	698	46.9	33.0	7.0	8.3	46.9	2.6	2.2	38.2	56.0
Cyprus	625	46.0	32.8	9.1	10.6	46.0	1.4	0.0	41.5	50.8
Czech Republic	680	63.9	29.8	1.9	3.3	63.9	1.1	0.0	61.8	66.2
Egypt	937	48.4	26.1	9.0	14.5	48.4	1.8	0.2	49.8	47.0
El Salvador	580	39.6	43.6	4.9	6.1	39.6	4.9	0.9	29.8	51.3
England	554	69.9	21.9	2.2	5.3	69.9	0.5	0.1	68.3	71.5
Georgia	595	47.8	28.9	4.7	15.2	47.8	3.3	0.0	47.4	48.2
Ghana	763	22.7	31.9	21.7	17.9	22.7	4.5	1.2	17.8	26.8
Hong Kong SAR	494	63.6	24.4	5.1	5.4	63.6	1.0	0.5	58.2	69.4
Hungary	578	63.2	28.6	2.7	5.2	63.2	0.3	0.0	56.7	69.5
Indonesia	599	32.4	44.8	9.9	11.4	32.4	1.4	0.1	28.3	36.7
Iran, Islamic Rep. of	566	53.5	27.1	3.9	14.1	53.5	1.4	0.0	50.1	56.2
Israel	476	47.8	23.6	7.1	15.9	47.8	5.2	0.3	46.0	49.7
Italy	633	69.6	22.5	1.9	4.3	69.6	1.4	0.3	64.3	74.7
Japan	618	56.5	26.5	8.4	8.5	56.5	0.0	0.2	50.6	62.0
Jordan	751	49.1	31.1	6.1	10.8	49.1	3.0	0.0	47.7	50.2
Korea, Rep. of	604	71.2	20.7	3.2	4.6	71.2	0.2	0.2	63.7	78.1
Kuwait	584	39.8	41.7	5.2	9.9	39.8	3.0	0.3	39.6	40.1
Lebanon	533	47.5	16.1	13.7	13.6	47.5	9.0	0.1	40.6	55.1
Lithuania	565	62.5	28.7	2.1	6.3	62.5	0.4	0.0	54.7	70.4
Malaysia	631	53.1	35.5	5.6	4.9	53.1	0.7	0.2	49.9	57.2
Malta	654	62.3	21.3	5.9	9.3	62.3	0.7	0.5	58.1	66.7
Morocco	460	44.6	25.4	7.4	18.5	44.6	4.2	0.0	38.6	51.2
Norway	657	70.1	19.2	4.1	5.3	70.1	1.2	0.1	63.3	76.9
Oman	675	42.7	34.9	7.5	12.7	42.7	1.9	0.3	45.8	39.5
Palestinian Nat'l Auth.	624	36.0	34.1	11.4	15.7	36.0	2.3	0.4	31.7	40.4
Qatar	1005	39.8	23.7	15.1	20.0	39.8	1.3	0.1	43.4	36.1
Romania	592	40.0	39.9	6.8	8.7	40.0	3.8	0.8	41.5	38.3
Russian Federation	641	61.6	28.9	4.2	3.5	61.6	1.7	0.1	59.1	64.2
Saudi Arabia	592	38.6	40.6	6.4	11.3	38.6	2.9	0.1	40.4	36.9
Scotland	573	60.2	22.5	6.2	10.5	60.2	0.4	0.1	54.9	65.9
Serbia	572	59.8	30.9	2.1	4.6	59.8	2.4	0.2	54.0	65.5
Singapore	662	71.9	20.0	3.5	4.2	71.9	0.4	0.0	68.3	75.7
Slovenia	570	68.2	23.8	1.7	4.4	68.2	1.8	0.0	63.8	73.2
Sweden	759	63.6	24.8	3.5	6.6	63.6	1.5	0.0	62.4	64.6
Syrian Arab Republic	666	40.9	31.7	7.7	16.6	40.9	2.8	0.2	34.1	48.4
Thailand	774	63.6	20.8	6.6	7.3	63.6	1.8	0.0	61.0	66.0
Tunisia	583	39.8	33.8	7.9	11.8	39.8	6.0	0.7	36.0	43.9
Turkey	640	46.6	35.5	7.1	9.8	46.6	1.1	0.0	36.0	55.9
Ukraine	634	56.1	33.7	4.4	4.4	56.1	1.5	0.0	49.1	63.9
United States	1052	62.8	25.3	4.7	6.5	62.8	0.7	0.0	56.3	70.2
International Avg.	639	52.7	28.8	6.3	9.7	52.7	2.3	0.3	48.9	56.5
Basque Country, Spain	317	69.0	16.6	4.4	7.8	69.0	2.2	0.0	68.5	69.5
British Columbia, Canada	606	66.0	22.1	4.6	5.3	66.0	1.9	0.0	61.4	70.7
Dubai, UAE	434	59.5	25.1	4.9	7.4	59.5	2.7	0.4	59.7	59.4
Massachusetts, US	265	75.0	17.0	2.3	3.0	75.0	1.2	1.4	72.6	77.0
Minnesota, US	257	69.1	22.1	3.9	4.2	69.1	0.7	0.0	65.0	73.3
Ontario, Canada	501	61.9	24.8	5.9	6.4	61.9	0.7	0.3	51.8	70.6
Quebec, Canada	570	73.2	18.2	3.1	4.5	73.2	0.9	0.1	63.9	81.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S022292 - S05_02)
 Label: Water level in U-tube
 Type: CR Key: -

COUNTRY	N	10	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	777	23.0	4.7	5.9	7.9	38.5	18.9	1.0	23.0	23.4	22.7
Armenia	675	42.8	16.6	3.1	3.4	20.5	12.6	1.0	42.8	39.7	45.8
Australia	579	48.1	6.8	16.8	8.4	14.1	5.9	0.0	48.1	41.5	54.3
Bahrain	595	18.1	9.5	17.5	4.1	36.3	14.4	0.2	18.1	16.9	19.2
Bosnia and Herzegovina	600	53.2	7.0	9.7	2.1	18.0	10.1	0.0	53.2	44.2	61.2
Botswana	604	7.9	6.7	12.6	1.0	46.9	23.8	1.1	7.9	4.9	11.3
Bulgaria	436	46.8	7.2	7.5	2.0	13.0	23.5	0.0	46.8	42.9	49.9
Chinese Taipei	577	56.3	12.6	12.1	7.1	7.7	4.3	0.0	56.3	51.6	60.6
Colombia	698	15.5	8.1	12.7	3.3	28.8	28.1	3.5	15.5	8.0	23.2
Cyprus	625	18.0	16.6	23.8	1.4	26.0	14.3	0.0	18.0	14.3	21.9
Czech Republic	680	60.5	14.3	10.9	7.1	5.0	2.2	0.0	60.5	53.1	68.4
Egypt	942	4.9	8.1	14.0	9.7	51.2	11.9	0.3	4.9	4.2	5.5
El Salvador	580	14.3	4.9	7.8	1.2	48.6	21.0	2.1	14.3	8.2	21.5
England	554	42.0	15.6	11.6	11.1	14.0	5.5	0.1	42.0	43.6	40.5
Georgia	595	31.3	10.7	9.4	1.6	14.6	31.9	0.6	31.3	28.6	33.7
Ghana	763	3.9	3.1	3.9	0.7	34.4	52.3	1.7	3.9	2.6	5.0
Hong Kong SAR	494	52.3	16.9	10.0	6.7	9.8	3.7	0.5	52.3	49.6	55.3
Hungary	578	54.9	10.9	18.1	5.5	10.2	0.3	0.1	54.9	45.4	64.0
Indonesia	599	40.3	13.7	13.9	3.5	19.6	8.8	0.1	40.3	28.7	52.6
Iran, Islamic Rep. of	566	18.9	11.1	14.4	5.1	40.4	10.0	0.1	18.9	15.5	21.6
Israel	476	25.5	9.5	11.7	3.1	30.3	19.6	0.3	25.5	23.1	28.3
Italy	633	35.3	10.8	29.0	6.5	11.5	6.6	0.3	35.3	29.0	41.4
Japan	618	61.9	12.2	8.1	4.2	13.2	0.2	0.2	61.9	62.2	61.6
Jordan	751	23.7	8.5	20.8	2.3	35.7	8.7	0.3	23.7	23.6	23.8
Korea, Rep. of	604	48.2	22.1	14.7	13.0	0.8	1.0	0.2	48.2	42.3	53.6
Kuwait	584	12.8	5.4	9.8	0.4	44.2	27.0	0.5	12.8	14.7	10.5
Lebanon	539	34.5	8.8	10.2	6.6	21.0	18.5	0.3	34.5	29.6	40.0
Lithuania	567	48.5	22.7	13.3	4.4	8.8	2.3	0.0	48.5	40.3	56.9
Malaysia	631	40.5	13.9	17.2	7.0	16.7	4.5	0.2	40.5	36.7	45.2
Malta	655	37.1	14.3	12.6	6.2	17.5	11.8	0.6	37.1	30.0	44.4
Morocco	463	23.9	15.3	19.2	3.6	19.2	18.8	0.0	23.9	16.5	32.2
Norway	657	47.8	16.3	13.7	5.1	6.5	10.6	0.1	47.8	42.0	53.5
Oman	675	15.1	7.9	9.5	1.3	54.6	11.3	0.3	15.1	18.6	11.4
Palestinian Nat'l Auth.	624	14.5	11.1	26.6	2.1	32.5	12.9	0.4	14.5	9.4	19.7
Qatar	1005	9.9	5.3	12.6	3.6	27.3	41.3	0.1	9.9	10.2	9.5
Romania	592	36.0	13.5	20.0	3.0	17.7	8.5	1.2	36.0	28.7	44.0
Russian Federation	641	53.0	9.6	13.1	8.3	13.0	3.0	0.1	53.0	43.7	62.4
Saudi Arabia	593	10.2	22.8	11.7	0.9	37.7	16.6	0.1	10.2	11.7	8.7
Scotland	573	29.9	17.1	19.2	11.5	15.9	6.3	0.1	29.9	25.8	34.1
Serbia	573	41.9	11.1	8.7	5.8	23.3	9.0	0.2	41.9	40.4	43.4
Singapore	662	57.9	10.5	7.1	8.6	13.7	2.1	0.0	57.9	56.7	59.1
Slovenia	570	54.9	13.7	18.9	1.7	8.8	2.0	0.0	54.9	51.9	58.2
Sweden	759	58.8	12.1	14.7	5.5	5.9	2.9	0.0	58.8	55.1	62.2
Syrian Arab Republic	666	26.2	9.9	9.4	1.9	37.5	14.8	0.2	26.2	23.0	29.9
Thailand	774	46.9	12.6	12.4	7.9	10.8	9.3	0.1	46.9	39.4	54.1
Tunisia	583	19.9	10.1	9.6	6.1	40.5	13.3	0.7	19.9	14.9	25.3
Turkey	640	22.0	10.8	35.5	2.0	21.4	8.0	0.2	22.0	16.1	27.3
Ukraine	634	50.2	13.4	14.9	2.0	12.7	6.8	0.0	50.2	40.1	61.5
United States	1052	36.0	15.2	22.1	8.3	10.6	7.8	0.1	36.0	30.4	42.2
International Avg.	639	34.2	11.7	13.9	4.8	22.6	12.4	0.4	34.2	30.1	38.4
Basque Country, Spain	317	31.0	15.4	14.1	5.4	30.0	3.9	0.2	31.0	22.8	39.5
British Columbia, Canada	606	47.0	15.1	16.3	6.8	9.1	5.5	0.1	47.0	42.1	52.2
Dubai, UAE	434	30.0	11.5	10.5	5.8	22.7	19.2	0.4	30.0	27.8	32.0
Massachusetts, US	265	35.8	14.3	24.5	9.5	8.4	5.8	1.6	35.8	30.1	40.5
Minnesota, US	257	32.6	19.5	19.7	14.0	9.1	4.8	0.3	32.6	27.4	38.0
Ontario, Canada	501	46.8	14.2	18.2	6.1	7.5	6.9	0.3	46.8	41.8	51.2
Quebec, Canada	570	44.3	11.9	21.6	5.1	13.2	3.8	0.2	44.3	32.4	54.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S022054 - S05_03)
 Label: Expansion in thermometer
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	784	40.0	7.1	27.0	16.1	40.0	8.4	1.3	39.9	40.2
Armenia	674	58.8	5.4	10.9	11.6	58.8	12.1	1.2	60.1	57.5
Australia	579	51.0	5.6	33.1	8.7	51.0	1.4	0.1	42.9	58.7
Bahrain	595	47.8	7.3	24.2	16.2	47.8	3.7	0.8	49.0	46.8
Bosnia and Herzegovina	600	54.9	7.6	18.6	10.7	54.9	8.3	0.0	47.8	61.3
Botswana	604	39.7	9.4	26.4	21.6	39.7	1.7	1.2	39.9	39.5
Bulgaria	436	53.3	5.2	15.3	18.7	53.3	7.2	0.4	50.5	55.5
Chinese Taipei	577	63.5	5.1	11.0	20.2	63.5	0.2	0.0	61.5	65.3
Colombia	698	52.4	14.5	15.8	9.3	52.4	3.9	4.1	50.7	54.1
Cyprus	625	29.6	10.6	37.6	20.7	29.6	1.6	0.0	29.9	29.2
Czech Republic	680	72.9	2.7	16.2	5.8	72.9	2.5	0.0	71.8	74.1
Egypt	940	52.6	5.1	19.4	20.4	52.6	2.1	0.4	53.9	51.4
El Salvador	580	32.1	8.0	29.0	24.1	32.1	4.2	2.7	33.3	30.6
England	554	52.7	9.8	25.7	10.3	52.7	1.4	0.1	51.3	54.2
Georgia	595	46.0	9.3	16.3	19.6	46.0	8.2	0.6	48.6	43.7
Ghana	763	25.8	12.8	30.8	25.5	25.8	3.2	1.8	26.2	25.5
Hong Kong SAR	494	64.0	5.4	11.2	17.8	64.0	1.1	0.5	62.4	65.6
Hungary	578	69.5	6.8	12.3	9.4	69.5	1.9	0.1	65.5	73.3
Indonesia	599	54.1	8.8	25.3	9.8	54.1	1.8	0.1	54.1	54.1
Iran, Islamic Rep. of	566	33.6	16.0	25.4	21.4	33.6	3.1	0.5	35.8	31.8
Israel	476	57.0	5.5	18.6	12.3	57.0	6.3	0.3	59.7	53.9
Italy	633	53.6	6.9	24.9	10.2	53.6	3.9	0.5	51.4	55.7
Japan	618	60.8	7.0	17.2	13.8	60.8	1.0	0.2	61.5	60.2
Jordan	751	55.2	4.6	17.7	19.1	55.2	3.2	0.3	57.4	53.3
Korea, Rep. of	604	67.7	2.9	14.7	14.0	67.7	0.5	0.2	68.4	67.0
Kuwait	584	38.4	6.2	18.8	31.6	38.4	4.5	0.5	42.4	33.5
Lebanon	537	33.2	8.6	29.2	21.2	33.2	7.3	0.5	36.4	29.5
Lithuania	567	67.3	4.1	14.7	12.5	67.3	1.3	0.1	66.0	68.7
Malaysia	631	47.7	6.4	22.6	21.0	47.7	2.0	0.3	45.6	50.2
Malta	653	42.7	7.3	36.4	10.9	42.7	2.0	0.6	40.2	45.3
Morocco	457	45.3	7.3	26.7	16.4	45.3	4.0	0.3	48.2	42.4
Norway	657	56.9	6.0	25.7	9.1	56.9	1.5	0.8	55.2	58.5
Oman	678	49.8	9.3	20.3	18.5	49.8	1.8	0.3	57.7	41.4
Palestinian Nat'l Auth.	624	43.1	7.1	22.2	25.8	43.1	1.4	0.4	47.7	38.3
Qatar	1005	28.3	13.1	26.6	30.0	28.3	1.7	0.3	26.9	29.6
Romania	592	43.0	7.4	32.7	14.3	43.0	1.3	1.3	42.8	43.3
Russian Federation	641	55.5	10.5	18.9	11.8	55.5	3.1	0.2	53.9	57.0
Saudi Arabia	592	35.7	12.4	26.0	24.5	35.7	1.2	0.1	38.3	33.3
Scotland	573	48.5	5.2	34.3	9.9	48.5	2.0	0.1	45.7	51.5
Serbia	568	47.9	8.7	22.3	14.5	47.9	6.4	0.2	48.7	47.1
Singapore	662	59.6	6.5	19.4	14.0	59.6	0.4	0.0	56.3	63.2
Slovenia	570	60.1	4.9	24.5	8.8	60.1	1.7	0.0	56.2	64.4
Sweden	759	64.6	5.2	19.1	9.6	64.6	1.6	0.0	62.0	66.9
Syrian Arab Republic	666	43.2	7.6	17.4	28.3	43.2	3.1	0.4	40.5	46.1
Thailand	774	49.7	4.4	28.0	16.3	49.7	1.5	0.1	47.2	52.2
Tunisia	583	36.7	4.8	36.0	15.0	36.7	6.5	1.0	34.5	39.0
Turkey	640	43.5	10.0	16.3	26.0	43.5	3.8	0.4	44.4	42.6
Ukraine	634	52.7	9.4	20.8	14.8	52.7	2.2	0.0	44.9	61.4
United States	1052	52.9	6.7	30.1	8.7	52.9	1.5	0.1	53.2	52.5
International Avg.	639	49.7	7.5	22.7	16.3	49.7	3.2	0.5	49.2	50.2
Basque Country, Spain	317	48.3	7.7	23.4	18.4	48.3	1.9	0.2	47.8	48.8
British Columbia, Canada	606	57.9	6.8	22.3	11.2	57.9	1.7	0.1	55.3	60.6
Dubai, UAE	434	49.1	8.7	23.3	16.2	49.1	2.4	0.4	51.6	46.9
Massachusetts, US	265	62.3	4.9	23.2	7.1	62.3	0.9	1.6	58.1	65.8
Minnesota, US	257	55.5	7.3	28.2	8.7	55.5	0.2	0.3	54.1	56.9
Ontario, Canada	501	55.9	3.4	26.9	12.6	55.9	0.6	0.6	50.6	60.6
Quebec, Canada	570	45.5	6.4	36.4	9.6	45.5	1.8	0.2	49.8	41.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S022181 - S05_04)
 Label: Sugar dissolving in water
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	782	38.6	10.9	38.6	9.5	36.4	3.1	1.5	37.0	40.2
Armenia	674	50.8	8.9	50.8	3.1	30.9	4.8	1.4	52.6	49.2
Australia	579	39.8	6.2	39.8	13.3	38.8	1.5	0.4	30.7	48.3
Bahrain	595	31.6	22.6	31.6	7.0	37.1	0.6	1.1	32.2	31.0
Bosnia and Herzegovina	600	53.8	7.2	53.8	4.8	31.7	2.6	0.0	51.3	56.0
Botswana	603	30.1	13.3	30.1	21.2	32.0	1.6	1.8	31.4	28.7
Bulgaria	436	59.8	5.9	59.8	6.3	24.3	2.1	1.6	62.6	57.6
Chinese Taipei	577	80.8	0.5	80.8	3.2	15.5	0.0	0.0	81.4	80.2
Colombia	698	21.9	6.5	21.9	12.6	53.0	1.0	5.1	19.1	24.8
Cyprus	625	30.6	4.8	30.6	11.1	52.5	1.0	0.0	29.0	32.2
Czech Republic	680	46.1	1.7	46.1	3.5	48.0	0.7	0.0	43.1	49.3
Egypt	941	21.1	22.1	21.1	6.0	49.5	0.7	0.5	21.5	20.8
El Salvador	580	28.1	8.8	28.1	10.7	47.4	2.2	2.8	31.0	24.7
England	554	54.1	5.2	54.1	13.1	26.5	0.8	0.2	48.2	60.3
Georgia	595	30.6	14.7	30.6	5.1	47.8	1.0	0.8	27.7	33.1
Ghana	763	39.1	10.9	39.1	10.8	35.5	1.6	2.1	38.1	40.0
Hong Kong SAR	494	54.1	2.1	54.1	6.1	37.0	0.2	0.5	47.5	61.2
Hungary	578	60.0	1.4	60.0	2.8	34.2	1.4	0.2	50.7	68.8
Indonesia	599	20.2	10.0	20.2	6.4	62.2	0.9	0.4	19.9	20.4
Iran, Islamic Rep. of	566	21.2	10.3	21.2	7.8	59.1	1.2	0.5	22.4	20.1
Israel	476	53.2	5.3	53.2	12.6	26.5	2.2	0.3	54.5	51.7
Italy	632	53.2	6.5	53.2	7.9	29.8	1.8	0.7	53.7	52.8
Japan	618	75.0	4.4	75.0	4.4	15.9	0.2	0.2	72.7	77.1
Jordan	751	51.2	7.1	51.2	9.1	31.4	0.8	0.3	55.9	47.1
Korea, Rep. of	604	91.2	1.9	91.2	3.9	2.8	0.0	0.2	91.0	91.4
Kuwait	584	21.7	12.0	21.7	12.2	50.6	2.6	0.9	21.0	22.4
Lebanon	535	36.1	5.7	36.1	13.0	42.8	1.8	0.7	32.5	40.2
Lithuania	567	51.9	6.5	51.9	1.6	39.5	0.5	0.1	49.7	54.2
Malaysia	631	45.3	5.9	45.3	9.3	38.2	1.0	0.3	45.3	45.1
Malta	654	39.2	7.2	39.2	16.1	36.5	0.5	0.6	37.2	41.1
Morocco	457	43.9	15.6	43.9	8.0	31.6	0.5	0.3	46.9	41.0
Norway	657	39.0	4.5	39.0	11.1	43.6	0.8	1.0	41.4	36.6
Oman	678	21.7	13.7	21.7	15.4	47.5	1.3	0.5	19.0	24.5
Palestinian Nat'l Auth.	624	25.2	14.0	25.2	18.2	41.7	0.4	0.4	25.9	24.5
Qatar	1005	23.0	26.3	23.0	15.7	33.4	1.2	0.4	18.3	27.8
Romania	592	39.2	4.0	39.2	7.1	46.7	1.6	1.3	42.5	35.5
Russian Federation	641	62.0	2.0	62.0	5.1	29.6	1.2	0.2	59.1	65.0
Saudi Arabia	592	23.6	29.1	23.6	11.2	35.6	0.5	0.1	24.4	22.7
Scotland	573	36.7	6.6	36.7	23.6	31.9	1.0	0.1	33.4	40.2
Serbia	567	60.5	5.0	60.5	4.3	28.7	1.2	0.2	60.4	60.7
Singapore	662	47.1	3.4	47.1	7.5	41.7	0.3	0.0	45.5	48.8
Slovenia	570	46.5	4.1	46.5	2.6	45.6	1.1	0.0	44.2	49.2
Sweden	759	67.3	2.3	67.3	12.3	17.3	0.7	0.0	66.4	68.2
Syrian Arab Republic	666	39.6	9.9	39.6	12.6	36.0	1.5	0.4	39.4	39.9
Thailand	774	37.9	8.0	37.9	11.3	42.0	0.6	0.2	37.9	37.8
Tunisia	583	43.3	14.0	43.3	6.7	31.8	3.3	1.0	42.6	44.0
Turkey	640	51.3	9.1	51.3	10.3	27.6	1.2	0.4	53.6	49.3
Ukraine	634	47.9	1.2	47.9	4.9	44.7	1.2	0.0	46.1	49.9
United States	1052	39.6	5.9	39.6	15.8	37.6	0.7	0.3	40.5	38.6
International Avg.	639	43.4	8.5	43.4	9.4	36.9	1.2	0.7	42.4	44.4
Basque Country, Spain	317	58.7	2.9	58.7	9.2	28.8	0.2	0.2	64.6	52.6
British Columbia, Canada	606	39.9	4.8	39.9	12.1	41.6	1.5	0.1	38.3	41.5
Dubai, UAE	434	39.0	9.2	39.0	12.9	37.4	1.2	0.4	40.7	37.4
Massachusetts, US	265	48.6	4.3	48.6	16.0	28.7	0.8	1.6	46.4	50.4
Minnesota, US	257	33.7	5.7	33.7	19.9	40.2	0.2	0.3	27.1	40.7
Ontario, Canada	501	40.1	1.8	40.1	14.4	42.9	0.1	0.6	38.9	41.1
Quebec, Canada	570	37.4	3.0	37.4	8.1	50.0	0.7	0.8	33.6	40.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S022208 - S05_05)
 Label: NOT a chemical change
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	784	33.5	33.5	12.9	17.4	29.5	5.1	1.4	32.5	34.5
Armenia	675	60.2	60.2	8.1	3.6	22.0	4.4	1.6	61.4	59.1
Australia	579	36.5	36.5	16.7	20.6	24.7	1.1	0.4	31.0	41.7
Bahrain	595	43.5	43.5	13.7	14.2	26.8	0.7	1.1	43.1	43.8
Bosnia and Herzegovina	600	43.3	43.3	20.1	11.8	22.7	2.0	0.0	45.5	41.4
Botswana	603	32.9	32.9	21.9	13.4	27.8	1.7	2.3	30.2	36.0
Bulgaria	436	41.8	41.8	10.5	12.2	31.8	2.1	1.6	38.4	44.4
Chinese Taipei	577	73.7	73.7	3.2	8.2	14.8	0.1	0.0	72.8	74.7
Colombia	698	23.2	23.2	21.1	12.3	35.8	1.9	5.6	20.0	26.6
Cyprus	625	45.9	45.9	17.6	14.0	20.8	1.6	0.0	46.2	45.6
Czech Republic	680	30.8	30.8	10.5	8.9	48.7	1.1	0.0	29.8	31.8
Egypt	940	28.4	28.4	20.5	18.6	31.0	0.9	0.5	32.9	24.2
El Salvador	580	23.9	23.9	16.0	24.7	30.1	2.5	2.8	17.6	31.4
England	554	44.3	44.3	8.9	15.4	29.9	1.2	0.2	42.7	46.0
Georgia	595	39.8	39.8	12.2	5.8	39.2	1.9	1.2	38.9	40.5
Ghana	763	30.2	30.2	17.1	17.0	31.3	1.8	2.6	28.2	31.8
Hong Kong SAR	494	41.6	41.6	8.4	15.5	33.4	0.6	0.5	37.2	46.3
Hungary	578	46.9	46.9	5.5	9.3	37.6	0.4	0.2	43.7	50.1
Indonesia	599	21.4	21.4	16.8	16.1	44.0	1.1	0.6	23.2	19.4
Iran, Islamic Rep. of	566	59.1	59.1	11.7	14.0	13.0	1.6	0.6	66.5	53.1
Israel	476	32.5	32.5	17.3	16.1	31.3	2.4	0.3	33.3	31.5
Italy	624	25.9	25.9	18.1	17.1	36.4	1.5	1.0	28.6	23.3
Japan	618	38.7	38.7	5.0	13.0	41.7	1.5	0.2	36.5	40.7
Jordan	751	56.5	56.5	13.8	11.4	17.2	0.9	0.3	59.2	54.1
Korea, Rep. of	604	44.5	44.5	8.2	9.7	37.1	0.3	0.2	46.0	43.2
Kuwait	584	50.0	50.0	12.3	12.4	22.2	2.1	1.0	53.0	46.4
Lebanon	537	37.7	37.7	19.0	16.6	23.4	2.5	0.8	33.6	42.4
Lithuania	562	53.4	53.4	15.0	10.8	20.2	0.6	0.1	54.2	52.6
Malaysia	631	40.0	40.0	16.2	20.9	21.7	0.8	0.5	41.8	37.7
Malta	653	35.5	35.5	13.1	15.2	34.0	1.6	0.6	33.1	38.1
Morocco	446	24.8	24.8	15.9	17.5	40.2	1.4	0.3	25.2	24.4
Norway	657	16.4	16.4	39.4	28.0	13.7	1.4	1.0	13.3	19.5
Oman	678	41.3	41.3	16.2	18.3	23.0	0.8	0.5	48.3	33.8
Palestinian Nat'l Auth.	624	28.0	28.0	15.0	16.5	39.1	0.9	0.4	26.1	29.9
Qatar	1005	33.2	33.2	22.6	18.4	24.1	1.3	0.4	33.2	33.3
Romania	590	41.5	41.5	11.0	15.8	28.6	1.2	1.8	41.5	41.4
Russian Federation	641	50.6	50.6	9.0	8.7	28.9	2.5	0.2	54.9	46.3
Saudi Arabia	591	41.8	41.8	16.6	16.4	24.2	0.9	0.1	42.4	41.2
Scotland	573	33.2	33.2	17.1	19.2	29.2	1.2	0.1	28.9	37.7
Serbia	565	43.4	43.4	12.3	7.8	35.4	0.9	0.2	49.5	37.2
Singapore	662	64.4	64.4	9.3	11.0	15.0	0.3	0.0	67.8	60.9
Slovenia	570	49.7	49.7	17.6	13.2	16.8	2.7	0.0	50.0	49.3
Sweden	758	27.0	27.0	14.1	20.9	36.3	1.7	0.0	25.5	28.3
Syrian Arab Republic	666	49.4	49.4	9.6	18.1	20.7	1.8	0.4	51.7	46.8
Thailand	774	46.3	46.3	13.0	9.2	30.4	0.7	0.4	45.9	46.7
Tunisia	583	32.2	32.2	16.4	15.5	29.7	5.1	1.2	35.9	28.1
Turkey	640	50.3	50.3	22.7	10.7	15.6	0.3	0.4	56.7	44.7
Ukraine	634	49.4	49.4	12.3	8.1	27.6	2.5	0.0	51.9	46.7
United States	1052	46.9	46.9	18.5	12.5	20.7	1.0	0.3	46.5	47.3
International Avg.	638	40.5	40.5	14.7	14.3	28.1	1.6	0.7	40.7	40.3
Basque Country, Spain	317	31.0	31.0	19.1	21.3	27.9	0.6	0.2	26.7	35.4
British Columbia, Canada	606	41.7	41.7	19.1	15.0	22.5	1.6	0.1	40.3	43.1
Dubai, UAE	434	51.6	51.6	11.9	9.6	25.1	1.4	0.4	48.7	54.1
Massachusetts, US	265	61.2	61.2	10.7	10.2	15.9	0.4	1.6	66.2	57.2
Minnesota, US	257	43.5	43.5	15.1	11.1	28.4	1.7	0.3	45.7	41.3
Ontario, Canada	501	38.0	38.0	17.4	17.5	25.8	0.8	0.6	32.1	43.0
Quebec, Canada	570	48.1	48.1	17.2	11.3	19.8	2.7	0.8	48.3	47.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S022078 - S05_06)
 Label: Light from sun and moon
 Type: CR Key: -

COUNTRY	N	10	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	769	20.8	0.4	1.7	1.8	42.1	31.6	1.6	21.3	20.1	22.4
Armenia	675	22.5	4.2	21.1	1.9	5.5	43.1	1.8	26.7	28.1	25.3
Australia	579	62.6	0.0	0.7	2.7	21.8	11.8	0.4	62.6	53.7	71.1
Bahrain	595	35.5	0.3	1.8	11.0	32.3	18.1	1.1	35.8	40.0	31.9
Bosnia and Herzegovina	600	37.4	0.0	1.5	0.0	18.0	43.0	0.0	37.5	35.9	38.9
Botswana	603	10.1	0.0	0.3	8.0	63.3	15.4	2.9	10.1	8.8	11.6
Bulgaria	436	36.4	0.0	1.7	5.0	13.8	41.5	1.6	36.4	38.2	35.0
Chinese Taipei	577	56.0	0.0	9.8	4.8	14.1	15.3	0.0	56.0	50.0	61.4
Colombia	698	32.7	0.0	0.9	4.6	32.5	23.2	6.1	32.7	25.8	39.8
Cyprus	625	39.0	0.7	4.0	2.7	17.0	36.5	0.0	39.7	38.2	41.3
Czech Republic	680	60.8	0.1	0.6	5.0	10.9	22.5	0.0	60.9	56.2	66.0
Egypt	941	20.4	0.2	7.3	4.5	44.2	22.9	0.5	20.6	21.5	19.7
El Salvador	580	12.5	0.0	1.4	2.4	37.5	43.4	2.8	12.5	6.2	20.0
England	554	71.5	0.0	3.3	3.7	13.9	7.3	0.2	71.5	69.6	73.4
Georgia	595	42.1	0.1	0.4	0.2	9.2	46.7	1.4	42.2	45.8	39.0
Ghana	763	5.7	0.0	1.2	2.6	34.3	53.2	2.9	5.7	3.9	7.2
Hong Kong SAR	494	53.7	0.2	3.1	6.7	22.7	12.9	0.7	53.9	53.1	54.6
Hungary	578	62.0	0.0	1.7	5.6	12.9	17.6	0.2	62.0	53.1	70.5
Indonesia	599	35.9	0.2	3.6	3.8	43.3	12.7	0.6	36.1	33.3	39.0
Iran, Islamic Rep. of	566	43.4	0.0	2.3	7.0	21.1	25.3	0.8	43.4	47.4	40.3
Israel	476	37.8	0.0	2.8	2.1	21.4	35.7	0.3	37.8	34.6	41.3
Italy	633	53.4	0.0	3.9	1.0	13.0	27.6	1.0	53.4	50.6	56.1
Japan	618	68.9	0.0	6.5	1.2	13.6	9.7	0.2	68.9	67.9	69.9
Jordan	751	48.4	0.0	1.9	4.1	30.6	14.6	0.3	48.4	47.0	49.7
Korea, Rep. of	604	69.1	0.0	7.2	4.8	12.1	6.5	0.3	69.1	68.2	70.0
Kuwait	584	22.0	0.1	4.4	3.9	39.1	29.3	1.2	22.1	23.5	20.5
Lebanon	540	22.4	2.0	0.4	0.7	31.2	42.4	0.9	24.4	23.9	24.9
Lithuania	567	49.9	0.0	1.9	8.6	12.0	27.5	0.1	49.9	52.6	47.1
Malaysia	631	35.2	0.3	2.8	5.4	35.7	20.2	0.5	35.4	33.0	38.6
Malta	654	48.8	0.0	0.9	5.5	22.0	22.2	0.6	48.8	46.4	51.2
Morocco	463	21.4	0.5	1.8	4.4	35.5	35.7	0.7	21.8	19.2	24.9
Norway	657	61.3	0.0	3.6	3.4	14.8	15.9	1.0	61.3	59.7	62.9
Oman	677	30.4	0.0	1.7	6.2	46.1	15.1	0.5	30.4	38.9	21.3
Palestinian Nat'l Auth.	624	31.3	1.7	3.3	5.8	42.9	14.6	0.4	33.0	33.0	33.0
Qatar	1005	15.2	0.0	0.6	4.3	50.2	29.3	0.4	15.2	15.2	15.3
Romania	592	42.7	0.0	0.5	0.1	21.7	33.1	1.9	42.7	37.0	49.1
Russian Federation	641	64.6	0.0	2.2	1.9	7.0	24.1	0.2	64.6	61.2	67.9
Saudi Arabia	593	20.4	0.0	2.2	4.9	55.2	17.2	0.2	20.4	22.7	18.1
Scotland	573	61.8	0.0	1.3	3.7	19.3	13.8	0.1	61.8	55.9	68.0
Serbia	573	35.4	0.7	2.5	4.7	13.2	43.2	0.2	36.1	36.6	35.6
Singapore	662	69.0	0.0	1.6	9.1	13.1	7.3	0.0	69.0	67.7	70.3
Slovenia	570	67.0	0.0	3.1	3.6	17.8	8.5	0.0	67.0	66.8	67.2
Sweden	759	59.4	0.1	3.7	4.5	16.1	16.2	0.0	59.5	57.4	61.5
Syrian Arab Republic	666	24.5	0.9	0.7	3.0	48.4	22.0	0.4	25.4	25.0	25.9
Thailand	774	23.8	0.3	2.1	6.8	34.8	31.8	0.4	24.1	22.7	25.4
Tunisia	584	26.2	0.3	2.2	3.1	40.1	26.8	1.3	26.4	23.1	30.0
Turkey	640	36.9	0.1	2.8	4.0	26.4	29.4	0.4	37.0	33.7	39.9
Ukraine	634	55.7	0.5	1.9	2.2	14.8	24.9	0.0	56.2	53.6	59.1
United States	1052	63.1	0.0	3.9	8.5	17.1	7.0	0.4	63.1	61.0	65.5
International Avg.	639	41.4	0.3	2.9	4.2	26.0	24.4	0.8	41.6	40.1	43.2
Basque Country, Spain	317	52.4	0.0	1.5	7.4	18.6	19.9	0.2	52.4	46.4	58.6
British Columbia, Canada	606	65.7	0.0	1.4	5.9	16.7	10.2	0.1	65.7	63.5	68.1
Dubai, UAE	433	51.9	0.0	2.2	5.4	22.1	18.0	0.4	51.9	51.8	52.0
Massachusetts, US	265	78.3	0.0	3.1	5.8	8.3	2.8	1.6	78.3	76.2	80.0
Minnesota, US	257	72.2	0.0	5.0	7.1	14.0	1.3	0.3	72.2	67.3	77.3
Ontario, Canada	501	64.5	0.0	2.8	9.2	10.7	12.1	0.6	64.5	61.0	67.6
Quebec, Canada	570	57.8	0.2	4.0	5.6	18.7	12.9	0.8	57.9	50.2	64.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S022126 - S05_07)
 Label: Function of chlorophyll
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	786	24.7	24.7	14.8	13.5	39.2	5.6	2.2	23.9	25.5
Armenia	674	63.1	63.1	14.1	4.8	7.5	7.2	3.2	61.1	65.1
Australia	579	51.7	51.7	27.9	4.4	14.0	1.6	0.4	49.9	53.4
Bahrain	595	70.0	70.0	10.0	3.5	14.2	1.1	1.2	78.3	62.2
Bosnia and Herzegovina	600	51.5	51.5	29.1	1.6	14.0	3.8	0.1	50.9	52.0
Botswana	603	40.5	40.5	16.2	13.4	24.8	1.9	3.2	40.7	40.3
Bulgaria	436	51.3	51.3	23.3	9.2	10.8	3.6	1.7	50.1	52.3
Chinese Taipei	577	70.0	70.0	27.5	1.0	1.5	0.0	0.0	73.7	66.6
Colombia	698	48.9	48.9	20.7	3.6	16.5	2.1	8.2	45.6	52.3
Cyprus	625	40.3	40.3	30.5	6.1	21.6	1.4	0.1	38.9	41.7
Czech Republic	680	31.5	31.5	48.4	6.0	11.7	2.4	0.0	31.4	31.6
Egypt	938	45.4	45.4	15.4	15.2	22.6	0.7	0.5	48.0	43.0
El Salvador	580	34.0	34.0	18.6	8.9	31.7	2.8	3.9	30.9	37.7
England	554	74.9	74.9	14.5	2.7	6.1	1.1	0.6	74.1	75.8
Georgia	595	54.5	54.5	12.8	7.3	21.1	3.0	1.4	60.9	48.8
Ghana	763	46.3	46.3	14.2	14.0	21.5	0.8	3.2	44.7	47.6
Hong Kong SAR	494	66.9	66.9	28.1	1.0	3.1	0.2	0.7	66.0	67.8
Hungary	578	18.7	18.7	29.8	13.9	35.5	2.0	0.2	16.5	20.8
Indonesia	599	65.6	65.6	14.3	4.7	12.1	2.4	0.9	65.7	65.4
Iran, Islamic Rep. of	566	30.5	30.5	25.2	16.4	23.8	3.1	1.0	30.0	30.8
Israel	476	42.3	42.3	26.7	8.1	18.5	4.0	0.3	42.7	41.8
Italy	630	58.0	58.0	25.5	2.0	10.7	2.7	1.0	55.7	60.1
Japan	618	72.0	72.0	22.2	1.5	3.5	0.7	0.2	76.9	67.4
Jordan	751	60.0	60.0	8.5	5.1	25.3	0.8	0.3	59.6	60.3
Korea, Rep. of	604	73.7	73.7	19.8	2.9	3.3	0.0	0.3	75.1	72.4
Kuwait	584	70.0	70.0	9.8	5.7	11.5	1.8	1.2	75.3	63.5
Lebanon	527	48.3	48.3	20.7	12.2	13.4	3.7	1.7	51.0	45.4
Lithuania	563	36.4	36.4	44.4	4.3	13.2	1.6	0.1	39.7	33.0
Malaysia	631	57.7	57.7	19.0	6.1	15.5	1.1	0.7	57.0	58.4
Malta	653	49.1	49.1	17.9	10.6	19.4	2.4	0.6	50.5	47.7
Morocco	461	24.3	24.3	16.3	12.1	44.4	2.1	0.7	21.7	27.3
Norway	657	37.1	37.1	27.2	11.2	21.6	1.9	1.0	40.3	34.0
Oman	678	48.5	48.5	18.3	8.1	23.4	1.2	0.5	55.9	40.6
Palestinian Nat'l Auth.	624	57.6	57.6	12.5	7.2	21.1	1.2	0.4	62.1	53.0
Qatar	1005	46.7	46.7	18.2	15.7	17.1	1.7	0.5	47.8	45.6
Romania	591	44.3	44.3	26.1	6.8	19.1	1.7	1.9	43.5	45.2
Russian Federation	641	57.6	57.6	26.0	3.3	10.2	2.4	0.5	56.7	58.5
Saudi Arabia	592	43.6	43.6	14.4	15.8	25.2	0.9	0.2	41.1	46.0
Scotland	573	58.6	58.6	22.1	4.7	12.9	1.6	0.1	63.3	53.5
Serbia	569	53.3	53.3	29.0	2.8	13.4	1.3	0.2	54.4	52.3
Singapore	662	83.0	83.0	10.0	2.2	4.8	0.0	0.0	85.2	80.7
Slovenia	570	54.4	54.4	35.6	1.8	6.6	1.7	0.0	54.3	54.4
Sweden	759	40.7	40.7	36.7	8.1	12.6	1.7	0.1	40.3	41.2
Syrian Arab Republic	666	70.5	70.5	12.4	4.1	10.9	1.4	0.6	74.1	66.4
Thailand	774	66.1	66.1	12.3	7.7	11.7	1.5	0.6	68.4	63.9
Tunisia	584	51.4	51.4	11.2	6.7	25.5	3.2	1.9	50.1	52.8
Turkey	640	39.3	39.3	27.5	10.8	20.4	1.6	0.4	41.5	37.3
Ukraine	634	43.7	43.7	31.9	3.8	18.5	2.1	0.0	45.8	41.3
United States	1052	58.3	58.3	27.9	3.4	8.2	1.4	0.7	58.4	58.2
International Avg.	639	51.6	51.6	21.7	7.1	16.6	2.0	1.0	52.4	50.7
Basque Country, Spain	317	43.7	43.7	26.4	4.9	22.8	2.1	0.2	43.0	44.5
British Columbia, Canada	606	64.3	64.3	22.1	2.2	10.2	1.0	0.2	63.9	64.9
Dubai, UAE	434	61.9	61.9	16.4	6.3	13.3	1.6	0.4	65.8	58.5
Massachusetts, US	265	69.3	69.3	21.0	0.9	6.2	1.0	1.6	71.0	67.9
Minnesota, US	257	52.1	52.1	34.7	5.0	7.8	0.0	0.3	53.0	51.2
Ontario, Canada	501	59.5	59.5	20.3	3.0	15.8	0.8	0.6	59.4	59.6
Quebec, Canada	570	53.3	53.3	19.4	7.3	17.3	1.7	1.0	55.0	51.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S022281 - S05_08)
 Label: Mass of freezing water
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	763	25.0	3.8	5.5	1.6	11.0	15.9	13.1	15.6	6.3	2.2	35.8	37.0	34.7
Armenia	675	24.1	3.6	8.7	0.1	5.8	10.4	37.6	0.9	5.5	3.2	36.5	38.0	35.1
Australia	579	29.7	1.0	0.6	0.0	12.7	46.4	7.8	0.2	1.2	0.4	31.4	26.7	35.8
Bahrain	595	16.8	0.6	3.7	0.1	12.3	38.7	16.1	5.3	5.0	1.4	21.2	24.3	18.2
Bosnia and Herzegovina	600	23.3	0.0	0.4	0.1	13.3	31.6	22.4	4.6	4.3	0.1	23.8	26.0	21.7
Botswana	603	4.1	0.8	0.2	0.2	21.5	40.4	11.8	12.0	5.3	3.7	5.3	6.8	3.6
Bulgaria	435	19.0	0.1	0.0	0.0	11.7	33.6	23.5	1.6	8.8	1.7	19.1	19.7	18.7
Chinese Taipei	577	42.3	0.7	0.0	0.2	15.8	20.5	19.7	0.7	0.1	0.0	43.2	46.1	40.5
Colombia	698	23.1	1.0	0.3	0.0	11.6	37.0	13.2	0.7	4.9	8.3	24.4	23.7	25.1
Cyprus	625	30.4	0.0	0.2	0.0	15.0	32.2	17.4	1.3	3.5	0.1	30.6	32.6	28.4
Czech Republic	676	32.0	1.0	0.3	0.0	12.0	42.7	9.8	0.3	1.9	0.0	33.3	32.5	34.1
Egypt	941	4.2	0.4	1.1	0.0	22.2	45.6	18.6	1.9	5.4	0.5	5.7	7.4	4.1
El Salvador	580	15.5	0.2	0.0	0.2	18.1	35.2	19.6	1.2	5.9	4.2	15.8	13.7	18.3
England	554	35.0	1.2	1.2	0.0	7.2	44.4	8.5	0.7	1.1	0.6	37.4	37.1	37.8
Georgia	595	12.6	0.1	0.1	0.2	18.1	28.2	23.0	2.8	13.5	1.4	13.0	18.1	8.5
Ghana	763	5.1	0.5	0.5	0.0	13.1	26.2	11.4	9.7	30.2	3.2	6.2	4.2	7.8
Hong Kong SAR	494	28.3	2.5	1.4	0.0	24.8	27.1	12.7	1.7	0.8	0.7	32.2	31.6	32.8
Hungary	578	28.2	0.2	0.1	0.0	15.9	45.2	9.2	0.3	0.6	0.2	28.5	29.6	27.5
Indonesia	599	8.9	1.2	2.7	0.4	19.6	34.6	8.3	13.4	10.0	1.0	13.2	13.3	13.1
Iran, Islamic Rep. of	566	14.1	1.5	2.7	0.0	18.1	42.6	16.4	0.5	2.7	1.2	18.4	19.2	17.7
Israel	476	41.9	0.2	0.8	0.0	14.6	22.1	11.7	4.0	4.0	0.7	42.9	42.6	43.2
Italy	633	20.6	0.7	0.2	0.0	15.8	46.4	11.6	0.5	3.0	1.2	21.4	22.6	20.3
Japan	618	47.9	1.0	3.4	0.2	13.7	26.8	4.8	1.0	1.0	0.2	52.4	50.2	54.5
Jordan	751	21.6	0.3	0.0	0.0	11.1	52.5	7.5	2.1	4.6	0.3	21.9	30.4	14.4
Korea, Rep. of	604	40.9	0.7	0.5	0.0	7.8	48.0	1.8	0.0	0.0	0.3	42.1	43.3	41.0
Kuwait	584	3.1	1.3	1.9	0.0	28.8	40.9	15.6	2.3	4.8	1.2	6.3	8.9	3.1
Lebanon	540	26.0	0.2	0.7	0.8	15.1	29.9	19.3	2.1	4.2	1.7	27.7	27.6	27.9
Lithuania	567	33.8	1.1	0.4	0.0	15.4	37.4	10.5	0.1	1.0	0.1	35.4	36.7	34.1
Malaysia	631	15.9	1.4	1.6	0.4	24.9	33.7	13.1	1.9	6.2	0.9	19.3	19.7	18.7
Malta	654	25.0	0.3	0.5	0.0	13.5	42.5	14.1	1.3	2.1	0.8	25.7	29.0	22.3
Morocco	456	22.0	0.0	0.0	0.3	12.9	37.8	22.3	0.2	3.7	0.7	22.3	22.6	22.2
Norway	657	13.0	0.1	0.8	0.0	18.0	55.3	10.7	0.1	1.1	1.0	13.9	13.9	13.9
Oman	677	20.7	0.0	1.9	0.0	13.9	33.9	24.4	1.6	3.0	0.5	22.6	32.2	12.4
Palestinian Nat'l Auth.	623	9.9	0.2	0.8	0.4	16.1	43.7	15.5	9.1	3.8	0.4	11.4	15.1	7.6
Qatar	1005	2.3	0.0	0.1	0.0	21.0	34.7	34.1	3.0	4.2	0.6	2.4	3.5	1.4
Romania	592	21.2	0.0	0.0	0.0	12.4	41.3	19.1	1.6	2.5	1.9	21.2	19.5	23.1
Russian Federation	641	26.2	1.4	0.1	0.0	15.4	36.6	15.6	0.0	3.9	0.8	27.7	26.8	28.6
Saudi Arabia	593	11.5	0.0	2.1	0.1	15.7	40.7	21.3	2.6	6.0	0.2	13.6	16.9	10.5
Scotland	573	23.0	1.5	0.9	0.0	17.9	44.6	10.3	0.1	1.5	0.1	25.4	25.1	25.7
Serbia	573	22.5	0.1	0.1	0.0	17.0	35.4	19.6	0.9	4.1	0.2	22.7	25.4	20.1
Singapore	662	35.1	2.3	1.4	0.0	16.5	34.2	9.6	0.4	0.5	0.0	38.8	33.4	44.4
Slovenia	570	42.0	0.0	1.1	0.0	11.0	31.7	10.4	1.4	2.4	0.0	43.1	47.8	37.9
Sweden	759	23.1	0.9	0.3	0.2	17.8	46.3	9.2	0.8	1.2	0.1	24.5	23.9	25.1
Syrian Arab Republic	666	9.8	0.3	0.8	0.3	18.7	40.7	15.1	6.7	6.8	0.6	11.3	12.4	10.1
Thailand	774	21.4	2.3	1.4	0.2	14.9	40.1	9.1	1.4	8.6	0.6	25.3	25.0	25.6
Tunisia	581	23.2	0.3	1.0	0.0	13.8	41.0	16.3	1.3	1.1	2.1	24.5	24.7	24.3
Turkey	640	29.2	0.6	0.1	0.1	13.3	35.2	15.4	1.2	4.5	0.4	30.0	32.4	27.9
Ukraine	634	22.0	0.8	0.2	0.5	15.7	42.5	15.5	0.9	2.0	0.0	23.5	23.5	23.4
United States	1052	32.9	0.6	0.2	0.5	16.1	38.8	8.1	0.0	2.1	0.7	34.2	34.8	33.5
International Avg.	638	22.6	0.8	1.1	0.1	15.5	37.0	14.9	2.5	4.3	1.1	24.7	25.7	23.7
Basque Country, Spain	317	27.8	0.0	0.0	0.0	13.2	47.2	9.2	0.2	2.2	0.2	27.8	28.1	27.4
British Columbia, Canada	606	26.2	3.0	1.0	0.0	20.0	39.7	6.5	1.1	2.3	0.2	30.1	27.5	32.9
Dubai, UAE	434	19.7	0.8	1.0	0.0	19.6	38.1	11.7	2.4	6.1	0.6	21.4	26.7	16.7
Massachusetts, US	265	46.7	0.0	0.7	0.4	11.0	36.0	2.8	0.0	0.8	1.6	47.8	48.1	47.5
Minnesota, US	257	30.0	1.3	1.5	0.0	17.1	41.7	7.9	0.0	0.3	0.3	32.8	35.5	29.9
Ontario, Canada	501	20.8	1.4	0.8	0.0	20.8	43.6	7.8	0.8	3.3	0.8	22.9	22.4	23.4
Quebec, Canada	570	34.3	2.1	2.6	0.0	12.6	36.4	7.9	1.0	2.1	1.0	39.0	35.1	42.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032385 - S05_09)
 Label: Characteristic found only in mammals
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	783	58.0	8.9	58.0	11.2	14.7	4.2	3.0	58.1	57.9
Armenia	673	73.0	6.3	73.0	5.6	7.8	3.6	3.7	69.8	76.2
Australia	579	55.8	15.0	55.8	15.5	11.9	1.2	0.6	53.8	57.6
Bahrain	595	65.8	7.4	65.8	13.1	11.7	0.4	1.6	72.0	60.1
Bosnia and Herzegovina	600	66.7	12.1	66.7	8.8	9.5	2.9	0.1	67.5	66.0
Botswana	604	53.5	8.4	53.5	11.2	19.0	3.2	4.7	55.3	51.4
Bulgaria	436	70.0	12.8	70.0	9.4	4.5	1.6	1.7	64.6	74.1
Chinese Taipei	577	90.6	2.2	90.6	3.8	3.1	0.2	0.0	93.3	88.1
Colombia	698	53.8	11.7	53.8	11.2	12.7	1.7	9.0	51.1	56.5
Cyprus	625	72.4	8.1	72.4	9.3	8.9	1.2	0.1	72.9	71.9
Czech Republic	676	74.4	9.2	74.4	9.2	4.8	2.5	0.0	76.0	72.7
Egypt	938	40.2	12.4	40.2	17.0	29.1	0.8	0.5	44.1	36.5
El Salvador	580	53.2	11.7	53.2	8.7	18.4	3.8	4.2	53.3	53.0
England	554	52.7	14.8	52.7	17.2	12.4	2.3	0.6	50.5	55.0
Georgia	595	68.8	9.3	68.8	8.5	9.0	2.8	1.6	66.8	70.5
Ghana	763	31.4	18.6	31.4	21.6	22.5	2.3	3.5	30.2	32.4
Hong Kong SAR	494	86.5	4.6	86.5	4.8	3.0	0.4	0.7	88.9	83.9
Hungary	578	77.7	9.9	77.7	6.5	4.7	0.9	0.3	78.1	77.2
Indonesia	599	55.2	10.0	55.2	13.4	18.9	1.3	1.2	58.1	52.2
Iran, Islamic Rep. of	566	60.5	8.5	60.5	10.9	16.9	1.6	1.6	63.4	58.1
Israel	476	68.2	6.0	68.2	13.9	9.5	1.7	0.7	67.0	69.6
Italy	631	65.0	10.6	65.0	12.6	9.2	1.5	1.2	64.8	65.2
Japan	618	75.1	12.0	75.1	9.8	2.4	0.5	0.2	74.7	75.4
Jordan	751	72.2	5.9	72.2	7.8	13.1	0.6	0.3	79.3	66.0
Korea, Rep. of	604	69.8	10.7	69.8	10.4	8.5	0.3	0.3	68.1	71.3
Kuwait	584	70.4	5.8	70.4	11.0	8.9	2.3	1.6	75.5	64.3
Lebanon	535	59.9	7.8	59.9	16.4	11.4	2.9	1.7	63.8	55.3
Lithuania	565	76.4	8.7	76.4	10.1	4.1	0.6	0.1	82.3	70.3
Malaysia	631	54.8	11.6	54.8	15.4	15.7	1.3	1.3	54.9	54.6
Malta	652	43.7	15.6	43.7	18.8	20.2	1.0	0.8	41.0	46.5
Morocco	462	65.7	8.1	65.7	13.2	10.4	1.7	0.8	71.3	59.5
Norway	657	50.9	12.8	50.9	21.3	11.4	2.4	1.1	52.4	49.5
Oman	678	48.9	11.5	48.9	12.4	24.7	1.9	0.6	57.9	39.2
Palestinian Nat'l Auth.	623	55.4	10.6	55.4	12.1	20.5	0.8	0.4	61.5	49.1
Qatar	1005	49.1	13.4	49.1	19.3	16.7	1.0	0.6	51.5	46.6
Romania	592	65.7	12.1	65.7	8.7	10.9	0.4	2.1	67.0	64.4
Russian Federation	641	63.4	10.0	63.4	12.3	11.2	2.4	0.8	61.1	65.7
Saudi Arabia	592	72.2	5.3	72.2	6.3	14.5	1.4	0.2	75.6	68.9
Scotland	573	41.2	16.6	41.2	22.3	18.6	0.9	0.4	39.4	43.1
Serbia	569	67.4	7.9	67.4	15.6	8.1	0.8	0.2	67.0	67.8
Singapore	662	60.5	12.9	60.5	14.8	11.5	0.2	0.1	59.8	61.1
Slovenia	570	75.9	14.0	75.9	5.5	3.2	1.4	0.0	78.4	73.1
Sweden	759	52.7	15.5	52.7	18.0	12.4	1.3	0.1	53.5	52.1
Syrian Arab Republic	666	79.0	5.2	79.0	6.8	7.4	0.8	0.8	81.0	76.9
Thailand	774	83.9	5.0	83.9	5.8	3.7	0.7	1.0	86.8	81.1
Tunisia	581	48.4	11.8	48.4	13.3	20.5	3.9	2.1	48.5	48.2
Turkey	640	82.2	8.1	82.2	5.0	4.0	0.2	0.4	86.0	78.9
Ukraine	634	53.7	16.7	53.7	14.5	13.5	1.7	0.0	54.8	52.4
United States	1052	53.2	14.3	53.2	17.4	12.9	1.5	0.7	51.2	55.5
International Avg.	639	63.0	10.4	63.0	12.0	11.9	1.6	1.2	64.2	61.7
Basque Country, Spain	317	60.3	13.4	60.3	12.3	11.9	1.6	0.4	56.7	64.1
British Columbia, Canada	606	49.9	16.4	49.9	19.0	12.4	2.1	0.2	48.6	51.3
Dubai, UAE	433	57.0	9.0	57.0	14.2	17.7	1.5	0.6	64.4	50.4
Massachusetts, US	265	61.6	12.4	61.6	14.7	8.1	1.6	1.6	65.8	58.2
Minnesota, US	257	61.3	12.4	61.3	16.4	9.3	0.0	0.5	61.1	61.6
Ontario, Canada	501	41.8	19.3	41.8	24.0	11.7	1.9	1.2	39.5	43.7
Quebec, Canada	570	56.3	6.7	56.3	13.0	19.2	3.9	1.0	54.3	58.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032035 - S05_10)
 Label: Whether two people are related
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	782	15.8	66.6	4.2	15.8	6.4	3.5	3.5	14.0	17.5
Armenia	673	39.7	50.6	2.3	39.7	1.6	1.7	4.0	40.0	39.4
Australia	579	70.5	23.7	1.4	70.5	2.6	1.1	0.7	66.3	74.5
Bahrain	595	36.2	48.0	3.2	36.2	9.6	1.5	1.6	39.7	32.9
Bosnia and Herzegovina	600	41.5	55.3	0.2	41.5	0.9	2.0	0.1	35.2	47.2
Botswana	604	11.4	63.8	6.0	11.4	10.6	2.0	6.2	11.1	11.7
Bulgaria	436	47.2	42.3	3.2	47.2	3.1	2.5	1.7	46.1	48.0
Chinese Taipei	577	86.2	12.3	0.4	86.2	0.9	0.2	0.0	86.1	86.3
Colombia	698	43.3	39.5	0.8	43.3	4.7	2.3	9.4	37.8	48.9
Cyprus	625	52.1	40.3	2.2	52.1	3.9	1.4	0.1	50.8	53.5
Czech Republic	680	70.2	26.7	0.2	70.2	1.4	1.4	0.0	65.0	75.6
Egypt	937	44.3	31.6	9.3	44.3	13.4	0.9	0.5	48.3	40.5
El Salvador	580	16.2	73.0	1.4	16.2	3.0	2.1	4.3	14.9	17.7
England	554	73.6	20.5	1.4	73.6	2.7	1.1	0.6	74.0	73.2
Georgia	595	42.1	48.4	1.5	42.1	4.4	1.9	1.6	40.8	43.3
Ghana	763	14.7	60.2	12.6	14.7	6.4	1.9	4.1	15.4	14.2
Hong Kong SAR	494	81.3	14.4	0.9	81.3	2.1	0.5	0.7	79.7	83.1
Hungary	578	73.3	23.4	0.8	73.3	1.4	0.8	0.3	68.5	77.9
Indonesia	599	11.0	74.2	1.8	11.0	11.0	0.6	1.3	13.5	8.4
Iran, Islamic Rep. of	566	48.4	42.5	1.5	48.4	4.9	0.9	1.6	51.0	46.4
Israel	476	46.0	43.2	3.2	46.0	4.2	2.6	0.7	43.9	48.4
Italy	628	56.2	37.8	1.2	56.2	2.5	1.0	1.3	58.8	53.7
Japan	618	83.7	13.5	1.3	83.7	0.8	0.6	0.2	81.1	86.2
Jordan	751	56.8	33.2	3.3	56.8	5.1	1.3	0.3	56.4	57.2
Korea, Rep. of	604	90.5	7.7	0.7	90.5	0.8	0.0	0.3	92.8	88.3
Kuwait	584	33.9	44.0	3.9	33.9	13.9	2.6	1.6	30.7	37.8
Lebanon	534	34.0	43.6	4.0	34.0	13.7	2.4	2.3	30.5	37.9
Lithuania	558	45.6	51.7	0.3	45.6	1.8	0.5	0.1	41.6	49.7
Malaysia	631	23.7	66.4	2.1	23.7	5.5	0.8	1.5	18.9	29.7
Malta	654	31.5	56.5	4.0	31.5	6.9	0.3	0.8	27.4	35.8
Morocco	458	18.8	67.5	5.2	18.8	7.1	0.5	0.8	17.5	20.3
Norway	657	57.7	35.5	0.8	57.7	3.1	1.9	1.1	51.8	63.4
Oman	678	26.2	53.1	5.6	26.2	12.8	1.6	0.7	26.4	26.0
Palestinian Nat'l Auth.	622	24.6	54.1	9.0	24.6	11.6	0.3	0.4	24.1	25.1
Qatar	1005	32.1	39.0	13.8	32.1	13.4	1.0	0.7	31.0	33.2
Romania	589	29.9	58.9	1.3	29.9	6.7	1.1	2.1	27.7	32.4
Russian Federation	641	68.2	26.1	0.7	68.2	2.0	2.3	0.8	64.8	71.5
Saudi Arabia	592	24.1	58.9	5.9	24.1	9.9	0.6	0.6	21.1	27.0
Scotland	573	61.0	32.6	0.3	61.0	3.4	2.2	0.4	60.3	61.8
Serbia	565	29.8	66.7	0.4	29.8	2.2	0.3	0.6	30.0	29.6
Singapore	662	65.3	29.9	1.4	65.3	3.1	0.2	0.1	66.0	64.7
Slovenia	570	48.1	45.0	1.6	48.1	3.9	1.4	0.0	45.8	50.7
Sweden	759	61.9	32.1	0.2	61.9	4.4	1.3	0.1	58.1	65.2
Syrian Arab Republic	666	52.8	35.6	4.5	52.8	5.6	0.8	0.8	51.1	54.6
Thailand	774	46.6	45.9	2.9	46.6	2.5	1.0	1.1	47.2	46.0
Tunisia	581	17.3	71.6	1.0	17.3	5.9	2.3	2.1	13.5	21.3
Turkey	640	71.3	24.1	1.0	71.3	3.0	0.2	0.4	69.8	72.5
Ukraine	634	56.1	39.0	0.5	56.1	1.7	2.8	0.0	51.2	61.6
United States	1052	67.0	26.5	1.4	67.0	3.0	1.1	1.1	68.5	65.4
International Avg.	638	46.5	42.8	2.8	46.5	5.2	1.3	1.3	45.0	48.1
Basque Country, Spain	317	46.3	46.8	1.3	46.3	4.3	0.7	0.6	41.8	50.8
British Columbia, Canada	606	58.8	30.3	1.8	58.8	7.0	1.8	0.2	53.7	64.3
Dubai, UAE	433	47.5	40.8	2.1	47.5	6.0	3.1	0.6	47.5	47.5
Massachusetts, US	265	71.1	22.7	1.2	71.1	2.0	1.2	1.9	69.3	72.5
Minnesota, US	257	65.7	29.6	0.5	65.7	2.3	1.3	0.5	68.3	63.0
Ontario, Canada	501	55.6	36.7	0.6	55.6	4.1	1.8	1.2	51.4	59.2
Quebec, Canada	570	69.1	22.3	0.0	69.1	5.7	1.6	1.3	65.5	72.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S032519 - S05_11)
 Label: Effect of dam on wildlife
 Type: CR Key: -

COUNTRY	N	10	11	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	771	4.5	7.4	0.1	8.9	3.7	32.2	39.1	4.1	12.1	12.1	12.0
Armenia	675	9.4	3.6	10.5	5.0	3.0	12.6	51.3	4.5	23.5	24.0	23.0
Australia	579	56.5	4.1	0.7	8.2	9.1	13.6	7.2	0.7	61.2	56.0	66.1
Bahrain	595	24.3	12.2	2.1	14.5	2.6	19.4	23.1	1.9	38.5	45.6	31.9
Bosnia and Herzegovina	600	26.6	6.4	1.8	5.3	0.7	12.6	46.5	0.1	34.7	35.7	33.8
Botswana	603	3.5	15.5	0.3	8.6	4.1	46.9	14.0	7.1	19.3	23.2	14.8
Bulgaria	436	11.5	12.6	1.7	6.7	2.6	12.9	50.3	1.8	25.7	26.7	24.9
Chinese Taipei	577	59.3	0.7	1.1	14.3	0.2	14.9	9.5	0.0	61.1	67.3	55.4
Colombia	698	16.7	7.5	0.2	7.2	6.0	27.9	24.0	10.6	24.3	19.3	29.4
Cyprus	625	35.6	4.9	0.4	5.0	5.0	10.0	38.7	0.3	40.9	42.2	39.5
Czech Republic	680	33.3	3.9	0.5	8.1	4.8	26.1	23.2	0.0	37.7	35.6	39.9
Egypt	941	9.2	32.5	0.2	8.7	3.2	29.2	16.4	0.6	41.9	45.9	38.2
El Salvador	580	9.6	2.6	0.0	16.2	5.5	27.6	33.5	4.9	12.3	12.3	12.2
England	554	47.9	1.6	0.1	7.6	24.8	9.8	7.7	0.6	49.5	52.0	46.9
Georgia	595	5.8	1.6	0.7	7.7	2.6	12.9	66.8	1.9	8.1	8.0	8.2
Ghana	763	10.8	1.8	0.0	10.7	3.9	31.2	36.7	4.9	12.5	11.0	13.8
Hong Kong SAR	494	58.2	0.9	0.4	8.2	4.1	16.9	10.6	0.7	59.5	63.0	55.8
Hungary	578	46.3	4.7	0.9	10.7	2.9	14.5	19.6	0.4	51.8	49.3	54.2
Indonesia	599	23.3	7.7	1.8	3.5	1.1	40.0	20.9	1.7	32.8	32.0	33.7
Iran, Islamic Rep. of	566	21.2	14.9	9.0	10.5	0.9	20.8	20.9	1.8	45.1	43.3	46.6
Israel	476	30.5	3.2	2.0	9.2	1.8	20.5	31.6	1.3	35.7	36.0	35.3
Italy	632	24.8	2.4	0.1	17.9	4.4	14.6	34.5	1.4	27.3	26.9	27.7
Japan	618	52.2	1.7	0.4	5.0	11.4	17.3	11.8	0.2	54.3	55.1	53.6
Jordan	751	14.4	11.2	0.2	24.2	3.6	35.0	10.9	0.5	25.8	28.8	23.1
Korea, Rep. of	604	56.7	1.7	3.8	9.7	0.2	22.2	5.4	0.3	62.2	64.4	60.2
Kuwait	584	20.7	0.9	0.2	20.8	2.5	24.2	28.4	2.3	21.8	26.0	16.6
Lebanon	540	12.9	2.6	1.4	6.8	2.2	19.5	52.2	2.5	16.8	14.5	19.5
Lithuania	567	29.2	3.0	0.0	3.1	0.4	45.0	19.3	0.1	32.2	27.2	37.3
Malaysia	630	43.7	1.3	1.8	22.5	1.3	13.8	13.9	1.9	46.7	47.7	45.5
Malta	655	32.1	2.0	1.5	10.5	3.6	27.4	22.1	0.8	35.5	36.4	34.7
Morocco	463	2.6	4.6	3.0	7.6	4.6	27.3	49.0	1.2	10.2	13.9	6.2
Norway	657	33.1	1.6	0.0	14.0	1.7	23.7	24.7	1.2	34.7	35.4	34.0
Oman	678	14.3	10.6	0.1	19.9	1.2	37.5	15.3	1.2	25.0	30.2	19.4
Palestinian Nat'l Auth.	622	19.6	5.2	3.5	11.6	5.1	39.3	15.3	0.4	28.3	30.6	25.9
Qatar	1005	5.8	2.9	0.1	9.4	0.9	43.2	36.8	0.9	8.8	10.4	7.2
Romania	592	24.9	1.8	1.6	14.2	1.9	20.8	32.6	2.1	28.3	29.1	27.4
Russian Federation	641	25.7	4.1	4.2	6.0	6.8	25.0	26.7	1.4	34.0	32.6	35.5
Saudi Arabia	592	16.0	11.3	0.3	11.3	0.4	37.6	22.2	1.0	27.5	31.7	23.5
Scotland	573	36.0	2.1	0.2	12.2	26.1	13.3	9.7	0.4	38.3	39.0	37.6
Serbia	573	18.9	4.9	0.4	6.2	0.7	16.8	51.5	0.6	24.2	23.3	25.1
Singapore	662	52.1	2.1	0.5	7.5	3.5	26.5	7.7	0.1	54.7	56.4	53.0
Slovenia	570	41.6	9.4	0.2	7.3	0.8	27.2	13.5	0.0	51.2	54.1	47.8
Sweden	759	28.8	2.7	1.3	8.2	2.6	25.5	30.5	0.3	32.8	33.2	32.4
Syrian Arab Republic	666	8.0	23.9	0.8	7.7	2.9	28.4	27.6	0.8	32.6	35.2	29.7
Thailand	774	55.8	1.4	2.0	6.8	2.1	17.3	12.9	1.6	59.3	63.2	55.5
Tunisia	581	16.3	7.1	0.5	22.5	3.1	29.1	19.2	2.2	23.9	22.9	25.0
Turkey	640	27.8	11.2	0.6	14.2	1.6	20.6	23.7	0.4	39.5	36.4	42.2
Ukraine	634	6.3	1.6	7.4	16.9	4.6	33.0	29.9	0.2	15.3	13.2	17.8
United States	1052	62.5	3.0	0.0	5.4	12.1	11.1	4.8	1.1	65.5	70.3	60.1
International Avg.	639	27.1	5.9	1.4	10.5	4.2	24.0	25.4	1.6	34.4	35.3	33.4
Basque Country, Spain	317	17.9	2.7	6.6	23.4	3.4	17.7	27.7	0.6	27.2	25.5	28.9
British Columbia, Canada	606	61.8	1.8	2.4	9.4	5.2	8.9	10.1	0.4	66.0	65.8	66.3
Dubai, UAE	434	28.8	7.8	1.3	14.5	4.7	19.4	22.1	1.2	38.0	40.7	35.6
Massachusetts, US	265	72.1	4.8	0.0	2.7	7.1	8.1	3.3	1.9	76.9	77.5	76.5
Minnesota, US	257	73.7	2.4	0.0	3.3	6.5	10.8	1.4	1.8	76.2	80.6	71.5
Ontario, Canada	501	69.2	0.3	2.6	6.8	4.0	7.0	8.8	1.2	72.2	72.6	71.8
Quebec, Canada	570	46.1	1.4	0.5	14.2	5.3	16.8	13.8	1.9	48.0	47.1	48.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S032683 - S05_12)
 Label: Materials sorted into two groups
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	781	19.1	6.0	13.4	50.9	19.1	5.4	5.1	18.8	19.5
Armenia	664	28.7	8.8	12.5	31.0	28.7	12.8	6.2	31.4	26.2
Australia	578	39.5	15.6	19.3	22.9	39.5	1.2	1.6	38.9	40.1
Bahrain	595	36.0	8.7	18.4	33.1	36.0	1.8	1.9	38.8	33.3
Bosnia and Herzegovina	600	38.7	10.8	8.3	33.3	38.7	8.5	0.5	38.2	39.1
Botswana	604	32.9	14.6	19.9	22.3	32.9	2.1	8.2	31.6	34.3
Bulgaria	436	38.9	9.1	13.1	27.0	38.9	9.4	2.4	37.5	40.0
Chinese Taipei	577	57.3	5.3	10.0	27.1	57.3	0.4	0.0	58.6	56.1
Colombia	698	18.7	10.0	16.6	40.5	18.7	2.2	12.0	12.5	25.0
Cyprus	625	33.8	8.6	21.0	34.4	33.8	1.8	0.3	34.9	32.8
Czech Republic	680	57.0	2.2	10.2	28.1	57.0	2.3	0.2	59.7	54.1
Egypt	934	28.6	12.4	20.8	34.4	28.6	3.1	0.7	28.3	28.8
El Salvador	580	16.3	13.5	15.3	44.5	16.3	3.9	6.5	15.5	17.3
England	554	58.5	8.6	10.4	20.4	58.5	1.4	0.6	63.2	53.7
Georgia	595	35.5	10.6	10.1	34.3	35.5	7.0	2.5	36.8	34.4
Ghana	762	27.1	17.2	14.9	32.6	27.1	2.5	5.7	25.4	28.5
Hong Kong SAR	494	43.5	8.5	16.5	30.4	43.5	0.2	1.0	44.6	42.4
Hungary	578	58.4	4.8	12.9	21.5	58.4	1.7	0.7	57.3	59.5
Indonesia	599	30.0	26.5	17.0	22.3	30.0	1.3	2.9	30.3	29.6
Iran, Islamic Rep. of	566	41.7	6.7	15.1	31.5	41.7	2.7	2.3	50.7	34.5
Israel	476	51.9	6.3	14.9	23.7	51.9	1.9	1.3	58.0	45.0
Italy	631	36.0	9.0	19.8	30.3	36.0	3.2	1.8	35.1	36.8
Japan	618	65.8	5.2	8.5	19.7	65.8	0.6	0.2	70.2	61.6
Jordan	751	49.2	5.7	13.1	30.5	49.2	1.0	0.5	54.7	44.3
Korea, Rep. of	604	49.7	6.2	10.1	33.3	49.7	0.3	0.3	55.9	44.1
Kuwait	583	20.6	9.5	15.2	48.6	20.6	2.5	3.6	20.8	20.3
Lebanon	536	27.8	15.5	15.5	35.0	27.8	2.6	3.8	30.0	25.4
Lithuania	566	43.9	4.0	15.9	34.9	43.9	1.2	0.1	48.5	39.1
Malaysia	631	31.3	13.3	24.2	28.1	31.3	1.1	2.0	34.4	27.5
Malta	653	31.9	17.6	22.0	24.8	31.9	2.8	1.0	30.4	33.4
Morocco	451	16.5	10.2	17.4	50.9	16.5	2.9	2.2	18.8	14.0
Norway	657	40.5	13.7	13.9	26.1	40.5	4.2	1.6	40.3	40.7
Oman	678	29.5	15.4	18.7	32.5	29.5	2.0	1.9	33.8	24.9
Palestinian Nat'l Auth.	624	31.2	10.2	19.0	38.1	31.2	1.0	0.4	34.5	27.8
Qatar	1005	21.8	17.4	23.3	35.0	21.8	1.4	1.1	23.3	20.3
Romania	592	29.7	10.1	14.4	39.4	29.7	4.2	2.2	31.7	27.5
Russian Federation	641	48.6	3.6	9.5	31.8	48.6	3.8	2.7	47.2	50.1
Saudi Arabia	593	18.8	8.9	19.8	49.9	18.8	1.4	1.2	16.9	20.6
Scotland	573	49.1	12.6	18.0	16.5	49.1	3.3	0.4	52.8	45.3
Serbia	557	36.3	8.6	12.9	35.2	36.3	6.4	0.7	40.8	31.9
Singapore	662	66.7	5.8	7.6	19.2	66.7	0.6	0.1	70.1	63.1
Slovenia	570	65.4	7.5	12.1	13.0	65.4	1.3	0.7	63.9	67.1
Sweden	759	51.7	6.1	11.7	24.6	51.7	5.0	0.9	51.3	52.1
Syrian Arab Republic	666	20.5	11.1	16.0	48.7	20.5	2.7	1.0	19.8	21.2
Thailand	774	41.3	6.0	13.4	36.2	41.3	1.4	1.8	38.5	44.1
Tunisia	581	45.9	2.9	10.3	35.9	45.9	2.7	2.2	42.2	50.0
Turkey	640	36.5	9.7	10.3	40.4	36.5	2.6	0.5	39.1	34.2
Ukraine	634	32.3	6.3	16.1	42.1	32.3	2.9	0.3	30.0	34.8
United States	1052	34.9	14.5	18.7	29.2	34.9	1.4	1.3	34.3	35.6
International Avg.	638	38.1	9.8	15.1	32.2	38.1	2.9	2.0	39.2	37.0
Basque Country, Spain	317	45.7	12.1	22.5	18.7	45.7	0.4	0.6	41.6	50.0
British Columbia, Canada	606	31.3	18.6	21.2	25.7	31.3	2.7	0.5	26.9	35.9
Dubai, UAE	433	41.9	11.3	16.9	24.9	41.9	3.0	2.0	43.6	40.3
Massachusetts, US	265	44.7	12.6	12.4	25.2	44.7	2.9	2.2	43.9	45.3
Minnesota, US	257	27.1	18.1	23.1	28.3	27.1	1.0	2.4	24.0	30.2
Ontario, Canada	501	31.5	15.3	22.7	27.0	31.5	1.8	1.7	33.8	29.6
Quebec, Canada	570	30.3	11.9	17.6	34.9	30.3	2.9	2.5	29.6	30.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032258 - S05_13)
 Label: Gall bladder stores bile
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	781	41.7	13.2	23.8	41.7	11.1	4.2	5.9	42.6	41.0
Armenia	672	58.7	3.2	19.9	58.7	8.2	3.6	6.4	61.9	55.6
Australia	579	68.9	5.5	19.8	68.9	2.6	1.4	1.7	67.0	70.8
Bahrain	595	51.5	12.7	21.8	51.5	11.4	0.7	1.9	60.9	42.7
Bosnia and Herzegovina	600	70.8	3.8	20.1	70.8	3.2	1.6	0.6	75.9	66.2
Botswana	604	24.5	19.0	20.4	24.5	25.6	1.4	9.2	26.2	22.5
Bulgaria	436	40.1	6.1	44.6	40.1	3.9	2.9	2.4	37.3	42.2
Chinese Taipei	577	82.5	2.8	12.5	82.5	2.2	0.0	0.0	83.9	81.2
Colombia	698	50.3	4.7	25.4	50.3	5.2	1.6	12.8	45.3	55.5
Cyprus	625	55.3	8.4	27.0	55.3	8.2	0.5	0.7	59.2	51.1
Czech Republic	680	76.4	2.8	17.7	76.4	1.1	1.8	0.2	76.8	76.1
Egypt	935	34.8	12.3	34.6	34.8	16.5	1.0	0.7	36.7	33.1
El Salvador	580	51.1	3.7	23.0	51.1	13.9	1.3	7.0	52.1	49.9
England	554	77.2	7.7	11.0	77.2	2.7	0.9	0.6	77.8	76.6
Georgia	595	54.4	10.4	21.1	54.4	10.2	1.5	2.5	51.7	56.8
Ghana	762	30.8	16.7	20.3	30.8	23.9	2.5	5.8	30.5	31.0
Hong Kong SAR	494	79.6	2.6	14.5	79.6	2.3	0.0	1.0	80.4	78.6
Hungary	578	74.3	5.4	13.3	74.3	4.7	1.5	0.7	73.5	75.1
Indonesia	599	43.0	5.2	39.2	43.0	9.0	0.5	3.2	39.6	46.5
Iran, Islamic Rep. of	566	31.1	7.3	49.0	31.1	8.0	1.7	2.9	34.3	28.5
Israel	476	43.5	8.3	38.4	43.5	5.0	3.2	1.5	43.5	43.5
Italy	632	71.6	5.8	13.1	71.6	6.8	0.8	1.8	74.5	68.9
Japan	618	77.0	5.0	14.5	77.0	2.5	0.8	0.2	76.7	77.3
Jordan	751	60.4	7.8	22.8	60.4	7.7	0.8	0.6	67.0	54.6
Korea, Rep. of	604	86.6	2.7	8.7	86.6	1.7	0.0	0.3	88.3	85.0
Kuwait	583	34.9	21.0	28.0	34.9	10.6	1.6	3.9	40.6	27.9
Lebanon	530	30.6	19.3	26.2	30.6	17.7	2.5	3.8	28.5	32.9
Lithuania	564	71.7	6.3	19.6	71.7	2.0	0.4	0.1	75.3	68.0
Malaysia	631	73.9	6.6	11.4	73.9	5.5	0.2	2.4	76.9	70.2
Malta	652	58.1	7.9	24.7	58.1	6.0	2.2	1.1	59.7	56.4
Morocco	458	46.2	15.9	21.9	46.2	11.5	2.3	2.1	50.0	42.3
Norway	657	70.7	5.0	17.3	70.7	3.8	1.3	1.9	70.3	71.0
Oman	678	46.8	9.0	27.1	46.8	13.4	1.4	2.2	54.5	38.5
Palestinian Nat'l Auth.	624	43.3	13.6	31.1	43.3	10.5	1.0	0.4	43.8	42.8
Qatar	1005	30.0	24.0	26.2	30.0	17.5	1.1	1.2	31.3	28.7
Romania	592	64.8	11.8	14.5	64.8	5.0	1.8	2.2	70.0	59.1
Russian Federation	641	78.5	5.0	8.2	78.5	2.1	3.3	2.8	79.8	77.3
Saudi Arabia	591	42.4	27.6	18.2	42.4	10.2	0.4	1.2	48.4	36.6
Scotland	573	71.8	6.5	16.9	71.8	2.4	1.7	0.7	75.1	68.3
Serbia	564	71.0	4.7	20.2	71.0	2.9	0.4	0.8	71.3	70.6
Singapore	662	78.7	4.6	13.2	78.7	3.1	0.2	0.4	81.5	75.7
Slovenia	570	78.2	4.4	14.1	78.2	1.4	1.2	0.7	80.6	75.6
Sweden	759	70.8	4.3	19.2	70.8	3.7	0.5	1.4	72.2	69.5
Syrian Arab Republic	666	49.6	10.7	23.6	49.6	13.8	1.2	1.1	48.3	51.2
Thailand	774	87.7	3.6	4.1	87.7	2.1	0.6	1.8	92.1	83.6
Tunisia	581	50.9	8.8	24.0	50.9	9.9	3.9	2.5	50.6	51.3
Turkey	640	40.9	4.8	48.7	40.9	3.2	1.8	0.5	38.9	42.7
Ukraine	634	69.5	8.3	16.0	69.5	3.3	2.6	0.3	72.7	65.9
United States	1052	69.6	6.7	17.2	69.6	3.5	1.5	1.5	71.4	67.6
International Avg.	638	58.5	8.6	21.8	58.5	7.4	1.5	2.2	60.2	56.8
Basque Country, Spain	317	74.9	6.2	13.2	74.9	3.7	1.4	0.6	75.5	74.3
British Columbia, Canada	606	79.5	4.2	10.8	79.5	3.5	1.2	0.8	79.6	79.4
Dubai, UAE	433	62.0	12.1	14.7	62.0	7.0	2.0	2.2	65.4	59.0
Massachusetts, US	265	75.1	4.5	14.0	75.1	0.5	3.6	2.2	74.6	75.6
Minnesota, US	257	75.1	5.7	10.7	75.1	4.8	1.3	2.4	73.3	76.9
Ontario, Canada	501	76.6	4.6	14.7	76.6	2.0	0.4	1.7	77.1	76.0
Quebec, Canada	570	79.3	3.6	9.4	79.3	3.0	2.1	2.5	83.5	75.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S032120A - S05_14A)
 Label: Oil spills
 Type: CR Key: -

COUNTRY	N	10	11	19	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	776	2.5	4.2	0.4	4.1	46.2	35.5	7.2	7.1	7.4	6.8
Armenia	674	12.4	4.4	8.0	2.9	9.3	56.2	6.8	24.8	24.9	24.7
Australia	579	18.0	10.4	0.0	29.0	22.2	18.5	1.9	28.4	22.5	33.9
Bahrain	595	18.1	8.5	5.0	11.5	31.1	23.6	2.2	31.6	38.4	25.2
Bosnia and Herzegovina	600	9.9	2.2	0.3	13.0	20.2	53.4	0.9	12.5	13.4	11.6
Botswana	604	3.9	0.9	0.1	5.9	59.1	20.2	9.9	4.9	5.1	4.6
Bulgaria	436	10.9	4.2	2.3	6.5	15.9	57.5	2.7	17.4	15.0	19.2
Chinese Taipei	577	16.0	3.2	3.4	26.9	24.9	25.7	0.0	22.6	20.8	24.2
Colombia	698	10.2	3.6	0.9	15.5	27.2	28.7	13.9	14.8	10.4	19.3
Cyprus	625	13.0	3.8	1.2	12.4	21.8	46.8	0.9	18.0	21.8	14.1
Czech Republic	680	18.9	8.1	0.8	31.3	15.3	24.5	1.0	27.8	22.1	33.9
Egypt	941	1.7	5.1	0.0	5.0	67.1	20.2	1.0	6.8	9.9	3.8
El Salvador	580	2.8	2.6	0.2	14.5	30.4	42.3	7.2	5.5	4.1	7.3
England	554	20.0	6.6	0.0	33.1	19.9	19.5	0.9	26.6	22.4	31.0
Georgia	595	3.1	2.8	0.2	12.9	19.7	58.0	3.3	6.1	6.1	6.1
Ghana	762	1.4	0.4	0.0	2.7	29.1	59.4	6.9	1.9	1.3	2.4
Hong Kong SAR	494	18.2	5.4	3.7	23.5	23.6	24.5	1.0	27.3	26.5	28.1
Hungary	578	28.7	12.7	1.0	15.1	18.0	23.4	1.1	42.4	38.6	46.1
Indonesia	599	4.9	0.7	0.9	2.9	55.7	31.3	3.5	6.6	5.1	8.2
Iran, Islamic Rep. of	566	4.6	2.2	2.8	7.1	36.7	42.7	3.9	9.6	7.9	11.0
Israel	476	13.3	12.2	1.5	9.6	18.4	42.2	2.7	27.1	29.6	24.2
Italy	633	12.6	8.2	0.2	16.5	22.5	37.8	2.1	21.0	19.5	22.4
Japan	618	8.0	3.3	1.3	17.9	47.6	21.8	0.2	12.6	9.9	15.2
Jordan	751	9.9	6.1	0.0	6.2	58.9	17.9	1.0	16.0	16.1	15.9
Korea, Rep. of	604	27.9	0.2	0.0	38.0	24.5	9.0	0.3	28.1	30.0	26.3
Kuwait	583	5.6	5.8	0.5	6.1	45.6	32.1	4.3	11.9	13.8	9.6
Lebanon	540	2.7	1.7	0.9	10.0	30.2	49.5	5.0	5.3	5.6	5.1
Lithuania	567	9.4	8.7	0.3	34.9	20.0	26.5	0.2	18.5	18.8	18.1
Malaysia	630	11.8	3.4	3.5	12.2	40.2	26.6	2.4	18.7	18.1	19.4
Malta	654	8.5	7.1	0.6	17.4	31.4	33.5	1.5	16.1	14.3	18.0
Morocco	462	4.4	1.0	1.5	3.3	34.2	51.6	3.9	6.9	6.1	7.8
Norway	657	14.7	2.1	0.0	17.4	34.1	29.5	2.1	16.8	11.5	22.1
Oman	678	7.0	3.4	0.6	11.7	56.1	18.5	2.7	10.9	16.5	5.0
Palestinian Nat'l Auth.	624	11.3	6.6	3.5	11.4	46.9	19.7	0.6	21.5	24.3	18.5
Qatar	1005	2.5	2.4	0.4	2.1	55.5	35.8	1.3	5.3	6.5	4.0
Romania	592	8.3	9.9	0.0	12.3	21.5	44.8	3.3	18.2	16.4	20.2
Russian Federation	641	16.9	3.2	0.0	20.9	18.1	36.8	4.1	20.1	17.9	22.3
Saudi Arabia	593	4.7	5.3	1.6	5.9	54.8	26.6	1.3	11.5	15.1	8.1
Scotland	573	13.8	7.0	0.0	27.5	25.3	25.3	1.1	20.8	18.4	23.4
Serbia	573	7.6	4.9	1.5	15.5	14.0	55.8	0.8	13.9	13.2	14.6
Singapore	662	20.8	9.9	0.9	35.2	23.9	8.9	0.4	31.5	31.1	32.0
Slovenia	570	16.7	17.5	0.0	21.4	31.2	12.5	0.7	34.2	33.2	35.3
Sweden	759	7.2	5.0	1.1	24.0	25.9	35.3	1.5	13.3	12.9	13.7
Syrian Arab Republic	666	7.2	4.3	1.6	13.4	33.4	39.1	1.1	13.0	15.2	10.7
Thailand	774	12.1	3.1	0.5	17.2	33.7	31.7	1.8	15.7	15.8	15.5
Tunisia	581	5.7	4.4	0.7	12.5	52.3	21.0	3.5	10.7	10.8	10.6
Turkey	640	9.7	3.2	2.6	10.8	32.3	40.1	1.3	15.5	15.7	15.4
Ukraine	634	7.0	6.3	2.4	11.7	26.0	44.9	1.7	15.7	15.1	16.4
United States	1052	19.2	8.5	0.0	32.3	28.3	9.9	1.8	27.7	22.7	33.3
International Avg.	639	10.7	5.2	1.2	15.3	32.3	32.6	2.7	17.2	16.7	17.6
Basque Country, Spain	317	7.5	4.0	9.1	25.7	15.2	37.3	1.1	20.6	17.3	24.0
British Columbia, Canada	606	22.1	10.6	3.4	25.1	21.2	16.5	1.0	36.2	33.7	38.8
Dubai, UAE	434	10.7	10.5	0.8	19.7	29.8	26.2	2.4	21.9	23.0	20.9
Massachusetts, US	265	25.0	11.0	0.0	35.3	17.5	8.6	2.6	35.9	31.4	39.6
Minnesota, US	257	19.5	6.9	0.0	40.0	26.6	4.3	2.7	26.4	25.4	27.5
Ontario, Canada	501	22.1	10.1	1.4	26.4	22.1	16.1	1.7	33.7	34.1	33.3
Quebec, Canada	570	17.4	8.3	0.2	21.6	28.4	21.6	2.5	25.9	20.0	31.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S032120B - S05_14B)
 Label: Global warming
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	776	0.8	2.0	7.3	0.3	1.5	2.6	34.3	28.9	22.4	10.4	10.5	10.4
Armenia	674	5.2	4.5	5.4	8.7	3.1	1.2	6.9	32.8	32.2	23.7	24.5	23.0
Australia	579	16.1	1.9	8.6	0.3	17.4	8.9	24.7	15.3	6.7	27.0	21.3	32.4
Bahrain	595	4.4	2.1	22.0	1.3	6.0	3.7	26.6	19.2	14.7	29.8	36.1	23.9
Bosnia and Herzegovina	600	2.4	12.7	2.2	0.0	6.9	2.2	14.6	38.3	20.8	17.3	15.3	19.0
Botswana	604	0.2	0.2	2.9	0.5	2.4	0.5	51.0	22.7	19.5	3.9	3.1	4.8
Bulgaria	436	4.7	8.9	4.0	1.8	5.6	4.1	13.0	31.2	26.8	19.4	15.7	22.3
Chinese Taipei	577	9.6	2.6	16.0	1.0	28.3	9.8	16.7	10.5	5.3	29.3	27.2	31.2
Colombia	698	3.3	0.8	3.0	1.2	9.7	4.3	31.8	17.8	28.1	8.3	4.3	12.4
Cyprus	625	7.2	4.1	6.8	1.2	8.2	4.7	17.5	30.5	19.6	19.5	19.8	19.1
Czech Republic	680	12.9	8.4	5.1	2.6	14.0	8.7	16.5	22.5	9.3	29.0	22.3	36.1
Egypt	941	0.8	7.1	11.5	0.0	4.2	1.9	47.0	17.6	9.9	19.4	20.8	18.0
El Salvador	580	4.0	0.0	2.1	0.0	6.0	2.7	25.8	30.4	28.9	6.1	4.2	8.3
England	554	18.1	5.8	6.9	0.7	19.5	9.1	21.9	12.0	6.0	31.5	26.2	37.1
Georgia	595	0.2	0.6	4.7	0.1	8.7	0.4	14.1	40.0	31.2	5.6	5.1	6.1
Ghana	762	0.0	0.2	4.3	0.0	1.0	0.6	13.8	44.0	36.3	4.4	3.0	5.6
Hong Kong SAR	494	13.3	2.9	11.1	2.8	22.2	7.3	17.0	14.6	8.7	30.2	36.2	23.8
Hungary	578	16.9	13.8	1.9	0.4	8.9	9.5	19.4	20.3	8.9	32.9	26.9	38.7
Indonesia	599	0.5	2.0	3.9	0.2	0.9	0.4	47.2	26.2	18.6	6.6	4.8	8.5
Iran, Islamic Rep. of	566	0.6	0.5	6.1	1.9	2.5	5.7	32.5	28.1	22.0	9.2	10.9	7.8
Israel	476	4.7	4.1	2.9	0.4	9.6	5.4	20.0	30.3	22.6	12.1	13.7	10.2
Italy	632	9.9	5.2	3.9	0.2	20.1	2.9	14.4	25.7	17.7	19.2	17.4	20.9
Japan	618	30.3	6.6	15.4	4.1	9.6	4.3	17.1	8.2	4.4	56.3	55.8	56.9
Jordan	751	8.5	9.0	18.6	0.3	5.2	3.0	35.7	12.5	7.2	36.4	42.1	31.3
Korea, Rep. of	604	7.7	0.8	20.6	4.3	21.9	1.4	30.2	11.4	1.8	33.4	33.0	33.7
Kuwait	583	1.6	1.6	13.1	0.9	2.4	2.4	30.8	27.5	19.8	17.1	18.5	15.4
Lebanon	540	1.0	9.3	8.2	1.1	2.4	2.1	17.6	27.5	30.7	19.6	22.1	16.9
Lithuania	567	9.7	6.2	6.5	2.7	11.1	9.2	20.9	23.1	10.6	25.0	22.4	27.8
Malaysia	630	2.7	1.6	20.4	1.9	5.7	6.0	33.1	15.9	13.6	26.6	25.2	28.4
Malta	653	13.8	2.2	6.9	0.3	10.9	8.7	19.2	24.9	12.1	23.3	23.7	22.9
Morocco	462	1.5	3.0	2.7	2.2	2.7	1.2	22.6	37.4	26.6	9.4	11.4	7.3
Norway	657	8.9	9.2	0.9	0.0	9.5	8.0	28.1	21.7	13.6	19.0	15.1	23.0
Oman	678	1.8	1.8	10.5	0.2	4.7	1.7	50.0	17.0	12.4	14.3	22.0	6.0
Palestinian Nat'l Auth.	624	1.2	3.4	13.2	0.7	9.8	2.2	47.2	11.6	10.6	18.6	19.5	17.6
Qatar	1005	0.6	2.0	7.6	0.0	0.7	1.4	46.7	24.9	16.1	10.2	13.3	7.0
Romania	592	3.5	9.3	10.4	0.8	7.6	3.3	14.3	29.0	21.7	24.0	19.6	28.8
Russian Federation	641	7.0	5.5	11.8	0.7	7.3	0.3	16.9	28.2	22.5	25.0	21.2	28.8
Saudi Arabia	593	1.2	2.1	13.1	1.2	4.1	1.8	44.0	18.1	14.4	17.6	25.8	9.6
Scotland	573	13.6	7.1	4.8	0.1	13.7	12.3	20.6	17.9	9.7	25.7	22.7	28.8
Serbia	573	3.0	14.0	2.6	0.4	5.2	4.2	12.9	33.3	24.4	20.0	18.2	21.7
Singapore	662	7.4	2.5	21.6	7.1	15.7	5.6	27.8	8.9	3.2	38.7	39.6	37.7
Slovenia	570	12.4	15.1	5.2	0.8	11.9	10.6	24.9	14.9	4.2	33.5	32.3	34.8
Sweden	759	17.8	4.3	1.7	1.9	5.6	9.2	20.6	22.5	16.4	25.7	24.9	26.5
Syrian Arab Republic	666	1.6	1.4	21.4	0.3	4.9	8.5	27.4	20.3	14.2	24.7	27.6	21.5
Thailand	774	2.4	1.7	27.4	0.6	9.8	6.3	23.3	14.5	13.9	32.1	35.4	29.0
Tunisia	581	2.9	2.3	8.8	0.3	6.8	2.2	40.6	21.1	15.1	14.2	12.6	16.0
Turkey	640	1.5	5.9	9.5	0.5	3.3	3.2	35.0	23.3	17.8	17.4	17.1	17.7
Ukraine	634	1.9	2.1	9.3	2.5	7.8	4.8	20.8	29.2	21.6	15.8	16.3	15.4
United States	1052	10.4	9.9	7.6	0.7	21.2	8.6	28.5	7.6	5.5	28.6	24.7	33.1
International Avg.	639	6.4	4.7	9.0	1.3	8.7	4.7	26.2	22.7	16.3	21.4	21.0	21.7
Basque Country, Spain	317	10.6	1.8	4.8	8.0	7.0	14.4	19.1	20.5	13.8	25.2	19.0	31.6
British Columbia, Canada	606	17.0	12.3	9.2	0.8	14.4	10.4	16.8	10.8	8.1	39.4	37.3	41.6
Dubai, UAE	434	11.6	3.3	13.0	1.0	6.0	6.4	26.0	18.8	13.7	29.1	30.6	27.7
Massachusetts, US	265	16.0	16.4	7.4	0.4	21.4	6.3	21.2	5.9	4.9	40.3	37.5	42.6
Minnesota, US	257	10.2	16.4	6.3	1.4	26.7	6.8	24.8	3.9	3.5	34.3	27.3	41.6
Ontario, Canada	501	14.6	11.9	7.2	1.3	15.1	9.5	17.5	12.4	10.5	35.0	31.5	38.1
Quebec, Canada	570	21.5	5.9	2.3	0.3	16.3	5.9	24.7	12.5	10.6	29.9	25.6	33.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S042304 - S06_01)
 Label: Conclusion from pulse rate-T graph
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	46.9	9.8	17.3	18.4	46.9	7.6	0.0	49.0	44.8
Armenia	672	34.3	12.1	13.9	16.6	34.3	21.9	1.2	35.0	33.6
Australia	580	71.0	4.3	18.8	5.3	71.0	0.6	0.0	69.4	72.5
Bahrain	594	49.2	12.7	19.5	14.4	49.2	4.2	0.1	49.8	48.6
Bosnia and Herzegovina	604	53.5	14.1	10.9	13.1	53.5	8.5	0.0	56.4	50.3
Botswana	600	30.1	14.5	29.8	23.3	30.1	2.1	0.1	34.2	25.2
Bulgaria	432	56.5	13.1	11.1	11.0	56.5	7.7	0.6	57.2	55.9
Chinese Taipei	573	61.1	5.4	24.1	9.1	61.1	0.3	0.0	62.5	59.8
Colombia	682	54.2	10.3	17.2	16.6	54.2	1.6	0.2	54.4	53.9
Cyprus	625	60.6	7.1	19.9	11.4	60.6	1.0	0.0	61.7	59.5
Czech Republic	685	68.6	10.4	11.3	6.0	68.6	3.4	0.3	69.5	67.6
Egypt	939	39.3	11.0	23.4	22.5	39.3	3.9	0.0	38.6	39.9
El Salvador	581	38.5	22.6	14.7	19.6	38.5	4.5	0.1	35.2	42.4
England	559	72.9	4.7	16.9	4.0	72.9	1.4	0.1	80.0	66.0
Georgia	587	38.9	13.0	16.8	23.6	38.9	7.3	0.4	43.2	35.6
Ghana	748	24.2	18.8	21.5	32.0	24.2	3.4	0.1	23.4	24.9
Hong Kong SAR	494	59.7	5.9	21.6	11.7	59.7	1.1	0.0	60.4	59.0
Hungary	585	52.5	4.7	27.5	5.5	52.5	9.8	0.0	51.9	53.0
Indonesia	600	49.2	17.6	18.7	12.6	49.2	1.9	0.0	48.3	50.1
Iran, Islamic Rep. of	560	48.3	11.9	17.5	18.9	48.3	3.0	0.4	53.3	44.5
Israel	456	62.8	9.2	14.8	9.7	62.8	3.3	0.2	63.3	62.2
Italy	627	71.1	6.6	14.3	6.1	71.1	1.8	0.0	72.0	70.3
Japan	618	83.7	5.3	6.6	3.1	83.7	1.2	0.0	85.0	82.5
Jordan	754	50.5	12.9	19.1	15.8	50.5	1.7	0.0	55.6	45.8
Korea, Rep. of	605	80.8	5.8	9.0	3.9	80.8	0.5	0.0	83.4	78.4
Kuwait	587	38.1	13.0	22.5	19.5	38.1	5.4	1.5	45.3	29.3
Lebanon	529	45.1	14.4	17.7	17.6	45.1	4.7	0.5	42.6	48.0
Lithuania	551	76.9	7.1	7.0	7.5	76.9	1.5	0.0	76.7	77.2
Malaysia	637	63.1	6.5	21.5	7.9	63.1	1.0	0.0	63.4	62.8
Malta	665	60.8	6.9	19.8	9.6	60.8	2.7	0.2	64.2	57.0
Morocco	443	40.7	9.0	23.4	18.1	40.7	8.6	0.3	47.0	33.6
Norway	669	69.9	8.6	11.7	6.2	69.9	3.7	0.0	71.3	68.7
Oman	676	38.5	11.6	23.6	20.6	38.5	5.5	0.2	42.0	34.7
Palestinian Nat'l Auth.	619	36.9	16.6	22.0	21.0	36.9	3.5	0.0	45.4	28.0
Qatar	1027	22.6	22.2	27.6	25.4	22.6	2.1	0.2	24.9	20.2
Romania	596	61.8	13.7	10.1	13.1	61.8	1.3	0.0	68.3	55.0
Russian Federation	638	72.2	5.7	9.3	9.7	72.2	3.1	0.0	72.2	72.2
Saudi Arabia	593	34.2	17.9	23.3	21.7	34.2	2.9	0.0	40.7	28.4
Scotland	583	70.8	6.0	15.7	5.7	70.8	1.7	0.1	72.1	69.6
Serbia	557	68.0	9.4	9.2	9.3	68.0	4.1	0.0	72.4	63.7
Singapore	653	70.3	4.3	19.6	4.6	70.3	1.3	0.0	73.4	66.7
Slovenia	568	70.7	5.6	13.2	5.0	70.7	5.4	0.0	70.3	71.2
Sweden	755	77.8	4.5	11.0	4.7	77.8	2.0	0.1	75.6	79.6
Syrian Arab Republic	661	34.6	16.6	18.6	25.2	34.6	5.0	0.0	39.3	29.4
Thailand	772	46.0	11.3	26.9	14.3	46.0	1.6	0.0	48.2	43.9
Tunisia	574	47.9	11.0	18.0	13.6	47.9	9.3	0.1	48.2	47.7
Turkey	651	56.2	12.6	16.4	13.0	56.2	1.8	0.0	61.5	51.8
Ukraine	626	64.2	15.2	9.4	9.0	64.2	2.1	0.0	64.7	63.5
United States	1045	69.4	4.8	18.3	7.1	69.4	0.2	0.1	72.2	66.6
International Avg.	637	55.0	10.6	17.4	13.1	55.0	3.8	0.1	57.0	53.0
Basque Country, Spain	323	66.2	7.7	12.8	11.4	66.2	1.7	0.2	68.6	63.8
British Columbia, Canada	607	71.1	5.2	15.5	6.7	71.1	1.3	0.2	74.0	67.8
Dubai, UAE	439	51.9	12.4	18.9	13.2	51.9	3.6	0.0	47.5	55.7
Massachusetts, US	273	76.9	3.9	14.5	3.5	76.9	1.3	0.0	76.0	77.7
Minnesota, US	262	79.1	2.4	15.3	3.1	79.1	0.0	0.0	84.9	70.8
Ontario, Canada	499	72.2	2.9	21.0	3.8	72.2	0.0	0.0	72.4	72.0
Quebec, Canada	566	77.4	5.2	11.4	4.1	77.4	1.2	0.6	78.7	76.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042038 - S06_02)
 Label: Where organisms appeared on Earth
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	9.9	9.9	2.4	71.5	10.8	5.4	0.0	9.1	10.7
Armenia	671	65.4	65.4	3.8	21.5	4.0	4.2	1.2	63.9	67.1
Australia	580	45.8	45.8	21.2	19.2	12.4	1.5	0.0	42.0	49.6
Bahrain	594	21.0	21.0	3.7	62.0	13.0	0.2	0.1	24.0	18.0
Bosnia and Herzegovina	604	64.6	64.6	3.2	24.6	6.2	1.4	0.0	59.4	70.1
Botswana	600	19.6	19.6	25.0	18.3	36.0	1.0	0.1	20.2	19.0
Bulgaria	432	67.0	67.0	5.3	18.9	7.0	1.2	0.6	65.3	68.4
Chinese Taipei	573	81.7	81.7	10.0	5.0	3.3	0.0	0.0	82.0	81.4
Colombia	682	41.1	41.1	8.3	33.6	15.7	0.7	0.5	31.2	51.7
Cyprus	625	39.7	39.7	13.9	24.3	21.4	0.7	0.0	34.6	44.8
Czech Republic	685	87.1	87.1	4.7	3.4	4.1	0.6	0.3	83.6	90.4
Egypt	935	9.8	9.8	5.6	67.2	16.5	0.8	0.0	10.3	9.3
El Salvador	581	23.3	23.3	12.9	38.6	23.4	1.7	0.1	22.9	23.8
England	559	41.5	41.5	22.2	19.6	15.7	0.8	0.1	34.7	48.2
Georgia	587	67.7	67.7	3.6	20.1	7.5	0.7	0.4	64.6	70.2
Ghana	.	.	.	.	.	.	.	.	.	.
Hong Kong SAR	494	52.8	52.8	5.5	34.3	6.8	0.4	0.2	43.4	62.3
Hungary	585	70.4	70.4	2.2	21.3	5.0	1.1	0.0	61.7	78.3
Indonesia	600	19.1	19.1	13.7	45.1	21.1	1.0	0.0	18.1	20.0
Iran, Islamic Rep. of	560	51.7	51.7	1.3	38.3	7.9	0.4	0.4	48.5	54.2
Israel	456	36.7	36.7	4.2	47.1	10.2	1.5	0.2	31.7	42.9
Italy	638	81.4	81.4	5.4	8.5	4.0	0.7	0.0	76.0	86.7
Japan	618	80.8	80.8	6.2	9.4	3.4	0.1	0.0	79.4	82.1
Jordan	754	16.2	16.2	4.1	64.6	14.3	0.8	0.0	13.0	19.2
Korea, Rep. of	605	82.2	82.2	5.3	10.6	2.0	0.0	0.0	81.6	82.7
Kuwait	587	6.3	6.3	2.5	70.7	17.8	1.1	1.5	6.8	5.7
Lebanon	533	16.8	16.8	14.5	38.7	27.4	1.9	0.6	13.8	20.4
Lithuania	552	69.7	69.7	7.3	16.0	6.5	0.5	0.0	62.7	78.0
Malaysia	637	23.4	23.4	22.3	33.2	20.3	0.9	0.0	18.0	30.4
Malta	666	35.4	35.4	18.2	32.0	12.8	1.5	0.2	29.3	41.9
Morocco	442	14.3	14.3	6.5	57.6	20.0	1.3	0.3	14.1	14.6
Norway	669	77.6	77.6	7.8	6.8	7.0	0.9	0.0	74.6	80.3
Oman	676	11.9	11.9	4.3	67.8	13.9	2.0	0.2	12.3	11.4
Palestinian Nat'l Auth.	.	.	.	.	.	.	.	.	.	.
Qatar	.	.	.	.	.	.	.	.	.	.
Romania	596	41.8	41.8	6.6	40.1	10.5	1.0	0.0	34.4	49.5
Russian Federation	638	84.0	84.0	5.4	7.1	3.1	0.3	0.0	80.5	87.3
Saudi Arabia	594	10.6	10.6	4.9	62.1	21.3	1.0	0.0	8.6	12.4
Scotland	583	48.7	48.7	19.7	18.6	12.1	0.8	0.1	44.7	52.7
Serbia	566	73.7	73.7	2.9	18.3	3.7	1.3	0.0	71.3	76.0
Singapore	653	32.6	32.6	11.9	40.3	15.3	0.0	0.0	26.2	39.7
Slovenia	568	78.0	78.0	3.0	12.6	5.6	0.8	0.0	77.4	78.6
Sweden	756	83.5	83.5	5.4	6.5	4.3	0.2	0.1	81.9	84.9
Syrian Arab Republic	661	18.0	18.0	2.5	67.1	11.3	1.2	0.0	14.6	21.7
Thailand	772	38.0	38.0	11.6	36.0	13.5	0.8	0.1	30.9	44.9
Tunisia	574	18.6	18.6	3.7	55.9	19.2	2.5	0.1	15.3	21.7
Turkey	651	16.2	16.2	3.8	64.1	15.2	0.7	0.0	10.1	21.3
Ukraine	626	72.0	72.0	9.5	12.5	5.4	0.5	0.0	70.2	74.4
United States	1045	56.6	56.6	11.0	22.1	9.2	1.0	0.1	50.3	63.1
International Avg.	627	45.7	45.7	8.2	32.9	11.9	1.1	0.2	42.4	49.2
Basque Country, Spain	323	58.3	58.3	14.3	13.5	13.5	0.2	0.2	56.7	59.9
British Columbia, Canada	607	61.2	61.2	12.5	16.7	8.7	0.7	0.2	59.0	63.6
Dubai, UAE	439	35.4	35.4	5.8	39.0	17.8	2.0	0.0	31.8	38.6
Massachusetts, US	273	64.8	64.8	9.7	17.3	6.9	1.3	0.0	56.9	72.0
Minnesota, US	262	65.8	65.8	11.3	11.9	10.7	0.3	0.0	61.0	72.7
Ontario, Canada	499	59.0	59.0	11.9	18.7	10.3	0.2	0.0	53.2	65.2
Quebec, Canada	566	62.6	62.6	11.4	18.7	5.0	1.7	0.6	58.6	66.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042298 - S06_03)
 Label: Importance of removing weeds
 Type: CR Key: -

COUNTRY	N	10	11	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	774	16.7	1.5	55.7	16.2	10.0	0.0	18.1	15.4	20.7
Armenia	672	24.8	26.7	14.3	12.4	20.6	1.2	51.5	51.4	51.6
Australia	580	28.2	26.0	15.1	27.5	3.2	0.0	54.2	51.7	56.7
Bahrain	594	22.0	7.5	29.1	32.6	8.7	0.1	29.5	33.6	25.5
Bosnia and Herzegovina	604	25.5	4.9	30.9	16.3	22.4	0.0	30.4	28.7	32.1
Botswana	599	30.8	2.4	19.8	39.8	7.1	0.1	33.2	36.3	29.5
Bulgaria	432	34.9	2.0	29.3	17.8	15.3	0.6	36.9	32.5	40.6
Chinese Taipei	573	72.5	0.9	9.9	9.6	7.0	0.0	73.4	70.5	76.1
Colombia	682	8.5	3.3	12.0	71.9	3.7	0.5	11.9	7.4	16.6
Cyprus	625	24.5	6.3	17.5	34.9	16.8	0.0	30.8	29.4	32.2
Czech Republic	685	51.2	14.6	14.4	15.2	4.4	0.3	65.8	65.8	65.8
Egypt	939	4.6	2.9	23.3	55.4	13.8	0.0	7.5	7.3	7.6
El Salvador	581	9.2	15.6	24.7	45.2	5.2	0.1	24.8	23.0	26.9
England	559	39.0	10.8	30.4	15.3	4.4	0.1	49.8	51.4	48.2
Georgia	587	27.8	4.5	41.2	11.9	14.2	0.4	32.3	36.0	29.5
Ghana	748	16.2	4.5	31.1	29.1	19.0	0.1	20.7	14.1	26.5
Hong Kong SAR	494	52.3	4.8	22.4	13.4	6.9	0.2	57.1	58.8	55.4
Hungary	585	55.7	6.8	18.3	13.4	5.9	0.0	62.4	57.1	67.3
Indonesia	600	11.9	6.5	33.9	44.1	3.7	0.0	18.3	16.7	19.9
Iran, Islamic Rep. of	560	30.3	2.3	37.6	22.8	6.6	0.4	32.7	25.4	38.4
Israel	456	28.0	8.0	27.8	18.7	17.3	0.2	35.9	32.1	40.7
Italy	640	20.8	14.4	31.1	18.8	14.9	0.0	35.2	34.9	35.5
Japan	618	85.9	0.9	2.2	7.5	3.5	0.0	86.9	86.2	87.5
Jordan	754	37.1	8.5	6.6	41.4	6.4	0.0	45.6	44.2	46.9
Korea, Rep. of	605	67.9	4.5	17.6	8.0	2.0	0.0	72.4	73.8	71.2
Kuwait	587	3.3	1.4	17.9	58.0	17.8	1.5	4.7	6.1	3.1
Lebanon	542	16.0	12.3	10.5	28.3	32.2	0.6	28.3	29.8	26.5
Lithuania	555	41.0	9.9	30.8	13.7	4.6	0.0	50.9	53.4	48.0
Malaysia	637	25.0	6.7	17.7	43.0	7.7	0.0	31.6	33.7	28.9
Malta	668	16.8	7.5	30.4	23.7	21.2	0.3	24.3	23.7	25.0
Morocco	451	3.5	2.5	30.4	45.4	18.0	0.3	6.0	7.3	4.5
Norway	669	29.0	5.5	30.6	26.2	8.6	0.1	34.5	36.0	33.0
Oman	676	7.9	4.7	16.3	63.6	7.3	0.2	12.6	13.6	11.5
Palestinian Nat'l Auth.	619	10.2	5.4	24.2	53.7	6.4	0.0	15.6	14.9	16.3
Qatar	1027	5.3	1.6	5.5	60.2	27.2	0.2	6.8	6.5	7.2
Romania	596	37.2	11.1	30.7	14.6	6.4	0.0	48.3	48.3	48.3
Russian Federation	638	39.8	8.9	30.6	14.1	6.6	0.0	48.7	52.1	45.5
Saudi Arabia	594	3.8	4.6	27.7	53.7	10.1	0.0	8.4	9.0	7.9
Scotland	583	21.2	9.3	43.1	20.0	6.2	0.1	30.5	29.4	31.7
Serbia	566	25.7	7.2	35.5	17.3	14.3	0.0	32.9	27.5	38.1
Singapore	653	58.8	5.6	11.6	20.3	3.7	0.0	64.4	67.5	60.9
Slovenia	568	41.0	20.9	17.8	15.2	5.1	0.0	61.9	66.7	56.8
Sweden	756	33.5	18.2	16.8	21.3	10.1	0.1	51.7	54.9	48.9
Syrian Arab Republic	661	26.5	2.5	25.2	36.9	8.9	0.0	29.0	23.8	34.5
Thailand	772	45.2	1.1	13.5	28.5	11.5	0.1	46.3	50.6	42.1
Tunisia	574	30.0	7.5	18.4	40.5	3.5	0.1	37.5	34.0	40.7
Turkey	650	19.1	5.3	39.3	27.4	8.9	0.0	24.4	19.9	28.3
Ukraine	626	28.2	13.7	40.1	11.7	6.3	0.0	41.9	40.1	44.2
United States	1045	30.7	19.2	36.5	11.3	2.2	0.2	49.8	51.7	48.0
International Avg.	638	29.1	7.8	24.4	28.3	10.2	0.2	36.9	36.4	37.3
Basque Country, Spain	323	22.0	7.7	22.8	41.3	6.0	0.2	29.7	30.1	29.3
British Columbia, Canada	607	32.6	21.3	25.1	15.3	5.4	0.3	53.9	54.2	53.5
Dubai, UAE	439	22.1	8.7	19.2	36.0	13.9	0.1	30.8	32.6	29.2
Massachusetts, US	273	34.0	21.3	36.4	6.7	1.5	0.0	55.3	53.5	57.0
Minnesota, US	262	38.3	23.7	28.8	8.0	1.2	0.0	62.0	62.9	60.6
Ontario, Canada	499	34.2	22.2	27.7	13.1	2.8	0.0	56.4	56.2	56.6
Quebec, Canada	566	16.7	19.5	22.3	35.0	5.9	0.6	36.2	36.7	35.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042261 - S06_04)
 Label: Life function of Paramecium
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	769	29.0	3.6	25.1	42.3	0.0	29.0	30.4	27.6
Armenia	671	48.9	4.1	9.8	35.7	1.5	48.9	47.8	50.1
Australia	580	25.0	7.3	40.9	26.8	0.0	25.0	21.6	28.6
Bahrain	594	22.7	1.8	48.0	27.0	0.4	22.7	31.1	14.4
Bosnia and Herzegovina	604	23.7	2.3	17.8	56.2	0.0	23.7	26.6	20.8
Botswana	599	7.8	6.1	65.7	20.2	0.1	7.8	9.2	6.3
Bulgaria	432	43.7	1.7	16.8	37.1	0.6	43.7	46.5	41.5
Chinese Taipei	573	34.1	3.3	36.0	26.6	0.0	34.1	33.0	35.1
Colombia	682	25.3	3.1	38.2	32.9	0.5	25.3	20.4	30.6
Cyprus	625	21.3	4.1	21.5	53.1	0.0	21.3	20.9	21.7
Czech Republic	685	50.8	2.2	16.0	30.8	0.3	50.8	48.1	53.4
Egypt	939	23.1	2.0	49.3	25.6	0.0	23.1	26.0	20.4
El Salvador	581	12.0	2.9	40.8	44.1	0.3	12.0	10.0	14.3
England	559	43.8	6.4	34.4	15.1	0.3	43.8	43.9	43.7
Georgia	587	22.4	1.3	24.3	51.6	0.4	22.4	27.7	18.3
Ghana	748	8.8	2.2	46.3	42.3	0.4	8.8	8.7	8.9
Hong Kong SAR	494	27.3	6.0	41.7	24.8	0.2	27.3	28.7	25.9
Hungary	585	47.7	1.0	18.7	32.7	0.0	47.7	44.0	51.2
Indonesia	600	22.5	2.2	53.7	21.4	0.2	22.5	22.9	22.1
Iran, Islamic Rep. of	560	29.1	2.3	36.0	32.2	0.4	29.1	32.2	26.6
Israel	456	39.3	10.7	19.6	29.6	0.8	39.3	43.7	33.8
Italy	640	23.3	0.7	22.7	53.3	0.0	23.3	18.5	27.9
Japan	618	41.7	3.8	40.7	13.8	0.0	41.7	36.0	46.9
Jordan	754	31.0	2.0	43.3	23.7	0.0	31.0	32.1	29.9
Korea, Rep. of	605	27.5	5.6	48.4	18.6	0.0	27.5	24.5	30.2
Kuwait	587	12.6	2.7	33.5	49.7	1.5	12.6	15.2	9.3
Lebanon	542	8.6	8.7	30.8	50.8	1.1	8.6	10.4	6.5
Lithuania	555	34.8	1.3	23.7	40.2	0.0	34.8	40.4	28.1
Malaysia	637	15.9	2.9	53.4	27.4	0.4	15.9	16.6	14.8
Malta	668	19.1	5.0	40.3	35.2	0.3	19.1	20.6	17.5
Morocco	451	12.9	0.7	27.6	58.5	0.3	12.9	11.1	15.1
Norway	669	25.2	6.2	37.7	30.8	0.1	25.2	27.8	22.9
Oman	676	19.7	1.9	58.3	19.9	0.2	19.7	25.1	14.0
Palestinian Nat'l Auth.	619	12.9	3.6	64.5	18.9	0.0	12.9	12.2	13.7
Qatar	1027	6.6	1.1	47.9	44.1	0.3	6.6	7.4	5.8
Romania	596	22.5	2.8	23.7	51.0	0.1	22.5	22.8	22.2
Russian Federation	638	44.0	1.6	19.8	34.5	0.1	44.0	45.8	42.3
Saudi Arabia	594	18.9	1.5	55.1	24.5	0.0	18.9	25.2	13.2
Scotland	583	22.2	9.8	40.3	27.7	0.1	22.2	22.2	22.1
Serbia	566	34.5	6.6	13.9	45.0	0.0	34.5	38.7	30.4
Singapore	653	49.0	3.8	34.3	13.0	0.0	49.0	50.4	47.3
Slovenia	568	37.4	7.0	32.2	23.4	0.0	37.4	41.7	32.8
Sweden	756	26.0	2.8	27.2	43.6	0.4	26.0	26.6	25.5
Syrian Arab Republic	661	24.1	1.1	41.6	33.0	0.1	24.1	23.3	25.1
Thailand	772	25.3	2.5	49.3	22.8	0.1	25.3	25.1	25.5
Tunisia	574	13.2	1.6	56.5	28.6	0.1	13.2	7.3	18.8
Turkey	650	28.2	2.9	26.8	41.9	0.1	28.2	31.6	25.3
Ukraine	626	30.7	0.8	22.5	45.9	0.0	30.7	32.4	28.5
United States	1045	25.0	4.7	55.9	14.2	0.2	25.0	21.6	28.5
International Avg.	638	26.5	3.5	36.2	33.5	0.2	26.5	27.3	25.8
Basque Country, Spain	323	29.1	6.8	24.8	39.1	0.2	29.1	30.3	27.9
British Columbia, Canada	607	40.8	4.0	35.7	19.2	0.4	40.8	41.2	40.3
Dubai, UAE	439	25.7	3.3	40.6	30.2	0.2	25.7	28.1	23.5
Massachusetts, US	273	30.8	5.3	54.2	9.7	0.0	30.8	29.2	32.3
Minnesota, US	262	31.8	2.4	55.7	10.1	0.0	31.8	31.3	32.4
Ontario, Canada	499	31.0	5.5	47.1	16.3	0.0	31.0	30.5	31.6
Quebec, Canada	566	25.4	4.9	38.1	31.1	0.6	25.4	26.9	23.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042051A - S06_05A)
 Label: Year of highest rabbit population
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	771	25.2	26.3	43.2	5.4	0.0	25.2	22.6	27.7
Armenia	672	25.2	9.3	31.6	32.3	1.5	25.2	20.9	30.3
Australia	580	73.8	4.5	20.1	1.6	0.0	73.8	69.7	78.1
Bahrain	594	35.9	15.0	42.8	5.9	0.4	35.9	35.6	36.3
Bosnia and Herzegovina	604	40.5	4.2	42.2	13.2	0.0	40.5	39.0	42.0
Botswana	599	13.7	18.0	64.3	3.8	0.1	13.7	14.7	12.6
Bulgaria	432	56.8	0.3	19.7	22.6	0.6	56.8	61.0	53.3
Chinese Taipei	573	68.2	3.4	26.4	2.0	0.0	68.2	69.7	66.9
Colombia	682	24.5	14.9	56.1	4.1	0.5	24.5	19.9	29.3
Cyprus	625	48.8	0.5	39.3	11.5	0.0	48.8	51.7	45.9
Czech Republic	685	71.0	4.3	22.3	2.1	0.3	71.0	70.7	71.2
Egypt	941	23.1	21.1	46.6	9.2	0.0	23.1	22.2	24.0
El Salvador	581	18.6	8.6	65.5	6.9	0.4	18.6	15.1	22.7
England	559	76.7	2.5	17.0	3.4	0.3	76.7	76.5	77.0
Georgia	587	30.8	8.0	27.6	33.2	0.4	30.8	32.6	29.4
Ghana	748	1.8	5.3	69.4	22.9	0.6	1.8	1.2	2.3
Hong Kong SAR	494	59.9	7.7	28.3	3.9	0.2	59.9	63.7	56.1
Hungary	585	79.0	2.4	17.5	1.1	0.0	79.0	77.0	80.9
Indonesia	600	17.6	3.9	72.9	5.3	0.2	17.6	19.1	16.2
Iran, Islamic Rep. of	560	26.5	11.6	58.0	3.5	0.4	26.5	23.5	28.9
Israel	456	51.1	2.1	34.4	11.5	0.9	51.1	54.1	47.3
Italy	640	68.0	5.2	19.8	7.0	0.0	68.0	66.7	69.3
Japan	618	84.4	0.6	14.0	1.0	0.0	84.4	85.3	83.6
Jordan	754	34.4	13.8	47.7	4.1	0.0	34.4	34.4	34.5
Korea, Rep. of	605	48.9	3.1	47.3	0.7	0.0	48.9	49.7	48.2
Kuwait	586	25.0	0.0	62.9	10.4	1.7	25.0	25.0	25.0
Lebanon	542	53.3	19.7	19.8	6.1	1.1	53.3	49.4	57.9
Lithuania	554	69.7	4.7	23.6	2.0	0.0	69.7	69.0	70.5
Malaysia	637	50.7	4.8	41.3	2.8	0.4	50.7	50.8	50.5
Malta	667	61.0	6.2	25.9	6.5	0.3	61.0	61.5	60.4
Morocco	453	24.6	23.0	36.5	15.4	0.5	24.6	22.5	27.2
Norway	669	66.9	3.4	27.0	2.5	0.1	66.9	63.4	70.1
Oman	676	22.7	15.5	56.4	5.2	0.2	22.7	26.8	18.4
Palestinian Nat'l Auth.	619	19.1	14.7	59.4	6.8	0.0	19.1	22.8	15.2
Qatar	1027	11.1	11.1	56.3	21.2	0.3	11.1	12.7	9.4
Romania	596	41.7	10.9	39.1	8.2	0.1	41.7	39.5	44.0
Russian Federation	638	65.3	6.5	19.3	8.8	0.1	65.3	67.5	63.1
Saudi Arabia	594	10.3	8.0	72.9	8.8	0.0	10.3	9.3	11.1
Scotland	583	62.4	8.4	28.2	0.9	0.1	62.4	56.1	68.8
Serbia	566	57.7	4.3	27.7	10.3	0.0	57.7	59.6	55.8
Singapore	653	74.3	3.7	20.9	1.1	0.0	74.3	74.0	74.6
Slovenia	568	76.5	2.7	19.7	1.1	0.0	76.5	76.3	76.6
Sweden	756	77.9	3.6	15.1	2.9	0.5	77.9	81.0	75.2
Syrian Arab Republic	661	17.7	21.8	54.0	6.3	0.1	17.7	13.8	22.0
Thailand	772	45.1	7.4	41.9	5.5	0.1	45.1	48.6	41.7
Tunisia	573	31.9	14.3	50.5	3.1	0.2	31.9	29.1	34.5
Turkey	651	16.7	3.2	70.1	9.8	0.1	16.7	13.0	19.9
Ukraine	626	51.7	3.9	30.2	14.2	0.0	51.7	50.8	52.9
United States	1045	70.5	2.7	25.2	1.4	0.3	70.5	68.8	72.2
International Avg.	638	45.1	8.2	38.7	7.7	0.3	45.1	44.6	45.5
Basque Country, Spain	323	64.4	9.6	24.4	1.3	0.2	64.4	61.2	67.7
British Columbia, Canada	607	68.2	7.9	21.3	2.2	0.4	68.2	67.3	69.3
Dubai, UAE	439	41.1	15.6	38.2	4.8	0.2	41.1	36.2	45.4
Massachusetts, US	273	75.7	3.5	19.4	1.5	0.0	75.7	74.4	76.8
Minnesota, US	262	85.8	1.6	11.9	0.8	0.0	85.8	86.5	84.8
Ontario, Canada	499	73.8	2.2	23.4	0.6	0.0	73.8	75.0	72.5
Quebec, Canada	566	76.6	3.8	18.0	1.0	0.6	76.6	76.1	77.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S042051B - S06_05B)
 Label: Relation of rabbit-fox populations
 Type: CR Key: -

COUNTRY	N	10	11	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	768	1.6	7.2	3.4	3.6	49.3	34.6	0.1	8.8	7.7	10.0
Armenia	671	6.8	10.4	1.9	5.6	16.2	57.5	1.7	17.2	16.3	18.2
Australia	580	12.7	14.7	10.9	15.7	32.4	13.6	0.0	27.4	25.1	29.7
Bahrain	594	19.8	12.0	7.8	5.5	38.3	16.2	0.4	31.8	38.4	25.2
Bosnia and Herzegovina	604	2.9	8.5	0.4	3.5	38.8	45.9	0.0	11.3	12.1	10.6
Botswana	599	1.5	8.2	2.4	5.2	71.7	10.9	0.1	9.6	11.3	7.6
Bulgaria	432	4.1	15.9	0.0	8.0	18.5	52.8	0.7	20.0	20.9	19.2
Chinese Taipei	573	19.1	27.2	4.2	6.7	23.3	19.5	0.0	46.3	43.0	49.4
Colombia	682	3.0	3.1	4.8	3.3	71.2	13.9	0.7	6.1	4.6	7.7
Cyprus	625	6.7	6.0	1.8	5.1	37.2	42.9	0.3	12.7	13.0	12.4
Czech Republic	685	19.8	7.1	15.1	2.0	30.7	25.1	0.3	26.8	23.9	29.7
Egypt	941	1.4	5.5	3.0	5.2	62.0	22.9	0.0	6.8	8.5	5.3
El Salvador	581	1.7	1.8	4.2	1.2	64.6	26.1	0.4	3.5	2.6	4.4
England	559	19.3	37.4	7.0	7.5	23.1	5.4	0.3	56.6	56.9	56.4
Georgia	587	1.3	3.2	1.3	5.1	34.9	53.8	0.5	4.4	3.4	5.3
Ghana	748	0.1	0.3	0.1	1.0	45.0	52.4	1.0	0.4	0.5	0.3
Hong Kong SAR	494	18.3	26.1	11.0	3.1	25.2	16.2	0.2	44.4	48.4	40.3
Hungary	585	22.2	15.7	11.0	4.1	24.2	22.8	0.0	37.9	33.1	42.3
Indonesia	600	7.3	11.8	3.3	2.7	62.6	11.9	0.2	19.2	16.8	21.4
Iran, Islamic Rep. of	560	2.5	9.1	6.9	5.8	57.6	17.7	0.4	11.7	15.5	8.7
Israel	456	24.8	7.8	8.5	3.9	26.2	27.9	0.9	32.6	29.3	36.6
Italy	640	10.8	17.4	3.7	7.3	21.0	39.7	0.0	28.2	24.9	31.5
Japan	618	9.2	42.1	1.9	9.7	27.2	9.9	0.0	51.3	54.4	48.4
Jordan	754	6.4	26.2	5.0	2.5	50.0	9.9	0.0	32.6	39.4	26.4
Korea, Rep. of	605	17.9	15.9	12.2	1.9	40.5	11.6	0.0	33.8	31.6	35.8
Kuwait	586	2.3	3.5	5.6	2.5	46.9	37.4	1.7	5.8	7.0	4.5
Lebanon	542	2.5	6.4	3.5	3.9	45.6	37.0	1.1	8.9	6.6	11.7
Lithuania	554	22.8	8.1	11.2	5.6	29.0	23.2	0.0	30.9	29.6	32.5
Malaysia	637	5.3	13.4	7.6	4.8	53.9	14.7	0.4	18.7	16.6	21.4
Malta	667	13.3	8.1	8.0	9.8	35.8	24.5	0.5	21.4	21.7	21.1
Morocco	452	0.7	4.5	4.9	2.4	42.0	45.1	0.5	5.2	5.2	5.3
Norway	669	20.2	12.1	14.4	4.0	22.6	26.6	0.1	32.3	33.2	31.5
Oman	676	6.5	13.3	4.7	0.8	63.3	11.2	0.2	19.8	26.9	12.3
Palestinian Nat'l Auth.	619	1.0	8.0	6.0	4.6	65.2	15.2	0.0	9.0	10.2	7.7
Qatar	1027	1.5	2.7	3.5	1.1	57.1	33.7	0.3	4.3	5.5	3.0
Romania	596	6.8	7.4	3.3	9.2	30.6	42.6	0.1	14.2	15.8	12.6
Russian Federation	638	13.0	8.2	13.9	5.5	27.0	32.3	0.1	21.2	21.4	21.0
Saudi Arabia	594	4.5	2.2	5.1	3.2	63.9	21.1	0.0	6.7	8.4	5.2
Scotland	583	14.9	26.5	7.1	12.0	25.2	14.0	0.1	41.5	42.3	40.6
Serbia	566	3.0	6.7	0.1	4.1	46.4	39.3	0.5	9.7	10.6	8.8
Singapore	653	29.1	31.9	6.9	3.3	23.5	5.2	0.0	61.0	65.2	56.3
Slovenia	568	21.1	18.8	11.3	2.4	33.5	12.9	0.0	39.9	38.8	41.0
Sweden	756	29.6	15.1	7.1	8.9	20.7	18.1	0.5	44.8	50.6	39.7
Syrian Arab Republic	661	12.2	17.1	6.9	2.2	34.4	27.1	0.1	29.3	31.1	27.3
Thailand	772	10.2	13.5	3.6	6.7	47.6	18.2	0.3	23.7	25.0	22.5
Tunisia	573	4.8	4.4	6.5	7.7	58.5	17.7	0.4	9.2	10.3	8.2
Turkey	651	9.4	11.5	5.0	2.9	45.7	25.3	0.1	20.9	21.0	20.9
Ukraine	626	9.2	13.0	11.6	2.3	30.3	33.7	0.0	22.1	19.7	25.3
United States	1045	11.2	24.7	2.6	19.7	37.9	3.6	0.3	35.9	30.9	40.8
International Avg.	638	10.1	12.7	6.0	5.2	40.4	25.3	0.3	22.8	23.2	22.5
Basque Country, Spain	323	11.2	18.6	5.2	9.1	34.0	21.7	0.2	29.8	27.8	31.8
British Columbia, Canada	607	15.9	23.7	7.1	20.9	22.9	9.1	0.4	39.6	38.0	41.3
Dubai, UAE	439	11.1	15.1	6.2	9.7	35.9	21.7	0.2	26.2	24.1	27.9
Massachusetts, US	273	22.5	29.2	2.1	17.5	25.7	2.7	0.3	51.8	49.8	53.5
Minnesota, US	262	12.6	25.9	1.1	26.3	32.6	1.6	0.0	38.5	35.7	42.6
Ontario, Canada	499	22.0	22.8	7.5	21.1	21.4	5.1	0.0	44.9	46.2	43.5
Quebec, Canada	566	22.3	14.5	9.7	8.6	28.7	15.6	0.6	36.8	35.2	38.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S042076 - S06_06)
 Label: Number of atoms in H2SO4 molecule
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	768	31.4	61.0	7.4	0.2	31.4	35.2	27.7
Armenia	672	56.6	19.6	22.2	1.7	56.6	58.8	54.0
Australia	580	24.0	52.8	23.2	0.0	24.0	20.5	27.6
Bahrain	594	34.0	58.2	7.4	0.4	34.0	42.6	25.6
Bosnia and Herzegovina	604	51.0	34.3	14.7	0.0	51.0	56.3	45.5
Botswana	599	1.2	86.0	12.7	0.1	1.2	0.3	2.2
Bulgaria	432	41.1	35.5	22.8	0.7	41.1	47.6	35.7
Chinese Taipei	573	46.0	42.8	11.2	0.0	46.0	43.8	48.0
Colombia	682	20.9	53.2	25.2	0.7	20.9	20.8	21.1
Cyprus	625	33.6	41.0	25.1	0.3	33.6	35.9	31.2
Czech Republic	685	50.8	38.6	10.2	0.3	50.8	52.9	48.9
Egypt	940	24.3	66.1	9.7	0.0	24.3	29.4	19.5
El Salvador	581	13.4	52.6	33.4	0.6	13.4	12.6	14.4
England	559	39.6	46.2	13.8	0.3	39.6	41.0	38.2
Georgia	587	38.9	30.0	30.6	0.5	38.9	46.7	32.8
Ghana	748	7.6	81.3	10.1	1.0	7.6	6.6	8.4
Hong Kong SAR	494	18.0	55.3	26.2	0.5	18.0	15.7	20.5
Hungary	585	36.6	52.2	11.1	0.0	36.6	34.6	38.5
Indonesia	600	10.1	64.7	24.9	0.2	10.1	11.1	9.1
Iran, Islamic Rep. of	559	33.9	56.4	9.4	0.4	33.9	41.2	28.3
Israel	456	29.3	39.4	30.3	1.0	29.3	30.2	28.2
Italy	640	29.9	35.4	34.7	0.0	29.9	28.6	31.2
Japan	618	56.9	40.4	2.8	0.0	56.9	56.9	56.8
Jordan	754	33.7	61.0	5.2	0.1	33.7	39.8	28.1
Korea, Rep. of	605	20.7	63.9	15.4	0.0	20.7	19.3	22.0
Kuwait	586	24.2	62.9	11.2	1.7	24.2	32.1	14.5
Lebanon	542	51.5	41.3	6.1	1.1	51.5	56.8	45.1
Lithuania	555	46.6	37.6	15.8	0.0	46.6	48.9	43.9
Malaysia	637	24.2	59.4	15.8	0.5	24.2	22.8	26.1
Malta	666	21.8	50.6	27.1	0.5	21.8	20.0	23.9
Morocco	452	22.9	62.9	13.4	0.7	22.9	24.6	20.4
Norway	669	14.9	61.0	23.9	0.1	14.9	15.5	14.5
Oman	676	28.0	66.4	5.4	0.2	28.0	38.1	17.4
Palestinian Nat'l Auth.	619	13.1	81.1	5.8	0.0	13.1	17.5	8.5
Qatar	1027	19.7	66.1	13.8	0.4	19.7	24.3	15.0
Romania	596	43.5	40.7	15.8	0.1	43.5	47.4	39.3
Russian Federation	638	58.2	28.3	13.3	0.1	58.2	62.2	54.5
Saudi Arabia	594	4.2	76.7	19.1	0.0	4.2	6.0	2.6
Scotland	583	18.1	56.9	24.9	0.1	18.1	17.2	19.1
Serbia	566	45.3	33.8	20.4	0.5	45.3	53.1	37.7
Singapore	653	67.0	28.4	4.6	0.0	67.0	69.6	64.1
Slovenia	568	49.8	42.9	7.2	0.0	49.8	52.1	47.5
Sweden	756	26.7	53.5	19.3	0.5	26.7	24.6	28.5
Syrian Arab Republic	661	23.7	68.7	7.5	0.1	23.7	22.1	25.6
Thailand	772	26.4	48.2	25.0	0.4	26.4	29.9	22.9
Tunisia	573	2.5	52.6	44.5	0.4	2.5	3.5	1.5
Turkey	651	20.2	49.2	30.4	0.1	20.2	24.3	16.8
Ukraine	626	43.7	30.8	25.5	0.0	43.7	44.3	42.9
United States	1045	43.0	49.0	7.7	0.3	43.0	45.7	40.3
International Avg.	638	31.1	51.4	17.2	0.3	31.1	33.3	28.9
Basque Country, Spain	323	39.3	42.0	18.4	0.2	39.3	39.7	39.0
British Columbia, Canada	607	17.7	59.3	22.6	0.4	17.7	14.3	21.5
Dubai, UAE	439	45.8	47.0	6.9	0.2	45.8	45.9	45.8
Massachusetts, US	273	56.2	36.7	6.8	0.3	56.2	56.3	56.2
Minnesota, US	262	42.0	52.2	5.8	0.0	42.0	40.7	43.9
Ontario, Canada	499	14.6	62.1	23.3	0.0	14.6	12.8	16.7
Quebec, Canada	566	28.6	56.0	14.8	0.6	28.6	25.2	32.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S042404 - S06_07)
 Label: Liquid on outside of pitcher
 Type: CR Key: -

COUNTRY	N	20	10	11	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	773	16.1	0.5	1.3	63.2	18.8	0.2	17.8	16.1	17.0	15.2
Armenia	670	6.1	3.5	0.4	50.1	38.0	1.8	10.1	6.1	4.2	8.3
Australia	580	6.7	1.6	23.2	57.0	11.5	0.0	31.5	6.7	4.8	8.7
Bahrain	594	14.3	4.0	5.0	63.0	13.2	0.5	23.3	14.3	18.7	9.8
Bosnia and Herzegovina	604	6.5	2.7	4.1	54.1	32.6	0.0	13.3	6.5	6.6	6.4
Botswana	599	0.8	0.9	4.1	82.6	11.4	0.1	5.8	0.8	0.7	1.0
Bulgaria	432	7.0	6.2	7.5	47.5	31.2	0.7	20.6	7.0	10.0	4.4
Chinese Taipei	573	21.8	7.2	17.9	38.5	14.7	0.0	46.8	21.8	14.8	28.3
Colombia	682	0.5	0.1	0.6	87.0	11.1	0.7	1.2	0.5	0.0	1.1
Cyprus	625	41.6	7.5	4.5	19.0	27.1	0.3	53.6	41.6	53.4	29.7
Czech Republic	685	7.2	6.9	5.3	68.7	11.4	0.6	19.3	7.2	5.5	8.8
Egypt	941	1.9	1.5	10.9	70.8	14.9	0.1	14.2	1.9	1.8	2.0
El Salvador	581	0.9	2.5	0.8	77.6	17.6	0.6	4.2	0.9	0.6	1.3
England	559	11.9	8.1	55.4	18.0	6.0	0.7	75.3	11.9	13.0	10.8
Georgia	587	4.7	3.9	6.6	49.0	35.3	0.5	15.2	4.7	5.8	3.9
Ghana	748	0.4	0.8	2.2	57.0	38.6	1.0	3.4	0.4	0.1	0.7
Hong Kong SAR	494	16.5	6.5	3.8	53.7	19.0	0.5	26.8	16.5	14.2	18.9
Hungary	585	23.7	20.8	8.2	34.8	12.6	0.0	52.6	23.7	20.0	27.1
Indonesia	600	8.5	7.4	7.4	67.0	9.2	0.4	23.4	8.5	9.5	7.6
Iran, Islamic Rep. of	559	5.1	1.3	4.8	81.6	7.0	0.4	11.1	5.1	3.6	6.2
Israel	456	10.4	2.9	3.6	58.1	24.0	1.0	16.9	10.4	10.6	10.2
Italy	640	8.8	2.9	9.8	53.6	24.9	0.0	21.5	8.8	8.4	9.3
Japan	618	33.2	3.9	3.3	49.8	9.8	0.0	40.4	33.2	31.7	34.6
Jordan	754	11.7	4.0	15.8	59.8	8.6	0.1	31.5	11.7	13.5	10.1
Korea, Rep. of	605	9.5	3.1	19.7	60.4	7.3	0.0	32.3	9.5	8.3	10.5
Kuwait	586	5.4	1.4	11.9	58.3	21.4	1.7	18.6	5.4	7.0	3.4
Lebanon	542	4.8	2.7	1.6	57.5	32.3	1.1	9.1	4.8	4.2	5.6
Lithuania	555	2.2	2.2	3.0	76.8	15.7	0.0	7.4	2.2	2.1	2.3
Malaysia	637	5.6	2.4	27.6	55.1	8.9	0.5	35.5	5.6	5.2	6.0
Malta	667	7.0	4.1	12.4	56.4	19.5	0.5	23.6	7.0	5.6	8.5
Morocco	452	2.3	1.5	2.3	71.8	21.4	0.7	6.1	2.3	2.8	1.7
Norway	669	10.3	6.1	11.7	58.9	13.0	0.1	28.0	10.3	12.2	8.5
Oman	676	2.5	2.2	3.5	83.6	8.0	0.2	8.2	2.5	3.5	1.5
Palestinian Nat'l Auth.	619	2.8	3.1	10.8	73.8	9.5	0.0	16.7	2.8	4.0	1.5
Qatar	1027	1.7	0.7	6.1	62.3	28.7	0.4	8.5	1.7	2.7	0.8
Romania	596	8.9	2.0	17.2	51.6	20.1	0.1	28.1	8.9	9.0	8.9
Russian Federation	638	6.0	3.5	11.5	64.0	15.0	0.1	20.9	6.0	5.9	6.1
Saudi Arabia	594	4.3	4.8	3.3	74.2	13.4	0.0	12.4	4.3	5.6	3.1
Scotland	583	4.8	4.5	37.1	41.4	12.0	0.1	46.4	4.8	5.1	4.6
Serbia	566	2.1	2.2	7.0	50.9	37.3	0.5	11.4	2.1	1.8	2.4
Singapore	653	24.4	6.4	34.3	31.1	3.7	0.0	65.1	24.4	25.5	23.2
Slovenia	568	9.7	3.1	13.5	65.5	8.2	0.0	26.3	9.7	8.3	11.1
Sweden	756	8.2	3.3	6.6	54.1	27.4	0.5	18.0	8.2	10.6	6.1
Syrian Arab Republic	661	2.2	0.9	5.2	73.3	18.3	0.1	8.3	2.2	2.5	1.8
Thailand	772	6.4	3.8	2.5	72.0	14.6	0.6	12.7	6.4	5.2	7.5
Tunisia	573	3.2	2.4	1.4	79.9	12.7	0.4	7.0	3.2	4.4	2.2
Turkey	651	3.2	4.3	2.5	80.6	9.3	0.1	10.0	3.2	3.2	3.1
Ukraine	626	4.3	0.7	9.5	70.1	15.5	0.0	14.4	4.3	4.3	4.3
United States	1045	4.8	7.4	27.9	54.1	5.6	0.3	40.1	4.8	4.2	5.4
International Avg.	638	8.4	3.8	10.1	60.0	17.3	0.4	22.4	8.4	8.6	8.2
Basque Country, Spain	323	11.3	6.6	3.7	62.3	15.9	0.2	21.6	11.3	11.1	11.4
British Columbia, Canada	607	10.6	5.3	25.6	44.4	13.6	0.4	41.6	10.6	11.5	9.7
Dubai, UAE	439	13.8	7.0	11.7	49.1	18.0	0.4	32.5	13.8	12.3	15.1
Massachusetts, US	273	10.0	9.1	33.4	41.7	5.4	0.3	52.5	10.0	9.2	10.8
Minnesota, US	262	9.5	7.8	25.8	54.4	2.5	0.0	43.1	9.5	7.0	12.9
Ontario, Canada	499	10.2	5.5	21.2	52.9	10.2	0.0	36.9	10.2	12.5	7.7
Quebec, Canada	566	6.5	4.3	10.3	67.6	10.8	0.6	21.0	6.5	6.1	6.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S042306 - S06_08)
 Label: Definition of a compound
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	24.9	32.6	23.4	24.9	13.4	5.4	0.2	25.0	24.7
Armenia	672	31.8	43.5	11.8	31.8	4.3	6.6	1.9	37.2	25.5
Australia	580	38.4	30.4	15.6	38.4	14.1	1.5	0.0	37.5	39.2
Bahrain	594	55.3	20.0	14.0	55.3	8.7	1.6	0.5	65.7	45.0
Bosnia and Herzegovina	604	36.2	20.9	22.1	36.2	13.7	7.1	0.0	37.2	35.3
Botswana	599	26.2	43.1	13.6	26.2	16.7	0.3	0.1	28.7	23.3
Bulgaria	432	43.8	26.7	18.0	43.8	7.1	2.9	1.5	48.9	39.5
Chinese Taipei	573	61.8	13.9	11.8	61.8	12.2	0.4	0.0	63.4	60.3
Colombia	682	24.8	36.8	24.8	24.8	11.9	1.2	0.7	23.8	25.8
Cyprus	625	41.4	19.0	20.1	41.4	18.1	1.1	0.3	45.7	36.9
Czech Republic	685	45.5	32.1	11.2	45.5	9.4	1.2	0.6	50.0	41.2
Egypt	941	65.5	9.5	11.8	65.5	11.7	1.4	0.1	67.4	63.7
El Salvador	581	19.6	36.5	26.8	19.6	13.4	2.9	0.8	19.9	19.2
England	559	55.5	17.2	16.9	55.5	8.4	1.3	0.7	54.2	56.8
Georgia	587	26.0	28.0	35.6	26.0	6.6	3.3	0.5	27.0	25.2
Ghana	748	38.9	21.8	10.0	38.9	25.1	2.8	1.3	39.2	38.7
Hong Kong SAR	494	45.5	24.5	15.8	45.5	12.6	1.1	0.5	45.8	45.2
Hungary	585	53.2	23.0	17.2	53.2	5.8	0.8	0.0	49.1	57.1
Indonesia	600	20.8	23.7	26.7	20.8	27.0	1.3	0.4	21.1	20.6
Iran, Islamic Rep. of	558	24.7	36.0	24.7	24.7	13.2	1.0	0.4	31.1	19.8
Israel	456	49.9	23.8	13.6	49.9	10.3	1.5	1.0	50.1	49.6
Italy	637	35.3	32.8	21.5	35.3	7.3	3.0	0.2	33.4	37.2
Japan	618	56.0	26.6	11.7	56.0	4.4	1.4	0.0	56.5	55.5
Jordan	754	51.8	18.6	17.4	51.8	11.5	0.5	0.1	55.4	48.5
Korea, Rep. of	605	48.5	35.9	10.1	48.5	5.2	0.3	0.0	42.8	53.6
Kuwait	587	50.4	21.1	15.8	50.4	8.4	2.5	1.8	55.4	44.3
Lebanon	538	29.6	34.4	20.6	29.6	11.1	3.0	1.3	29.6	29.7
Lithuania	555	18.8	70.9	7.2	18.8	2.5	0.5	0.0	18.8	18.8
Malaysia	637	26.4	40.4	18.6	26.4	12.7	1.4	0.5	26.3	26.5
Malta	668	38.7	26.9	18.1	38.7	13.3	2.6	0.5	38.6	38.7
Morocco	449	35.7	19.0	24.9	35.7	16.0	3.7	0.7	35.2	36.4
Norway	669	29.8	40.0	20.1	29.8	7.3	2.6	0.1	32.3	27.5
Oman	676	44.0	21.8	15.0	44.0	17.2	1.8	0.2	51.1	36.6
Palestinian Nat'l Auth.	619	50.9	14.5	14.2	50.9	19.1	1.4	0.0	53.3	48.4
Qatar	1027	47.4	17.8	17.4	47.4	15.6	1.5	0.4	52.3	42.2
Romania	596	27.2	41.6	21.7	27.2	7.3	2.1	0.1	27.7	26.7
Russian Federation	638	54.4	27.9	9.4	54.4	6.1	1.8	0.3	58.6	50.4
Saudi Arabia	594	29.2	36.6	20.6	29.2	11.7	1.8	0.0	29.1	29.3
Scotland	583	44.6	25.2	17.6	44.6	10.8	1.6	0.1	42.1	47.2
Serbia	564	35.4	29.9	24.9	35.4	6.6	2.7	0.5	35.4	35.3
Singapore	653	66.2	12.3	12.0	66.2	9.0	0.5	0.0	67.0	65.4
Slovenia	568	44.7	27.7	12.9	44.7	12.4	2.3	0.0	44.1	45.4
Sweden	756	34.5	38.7	18.3	34.5	7.2	0.8	0.5	36.2	32.9
Syrian Arab Republic	661	39.2	20.7	27.4	39.2	10.9	1.6	0.3	43.6	34.4
Thailand	772	28.6	38.8	17.9	28.6	11.1	2.7	0.8	27.4	29.8
Tunisia	574	23.7	42.0	17.7	23.7	11.2	5.0	0.4	23.3	24.1
Turkey	650	38.1	24.0	18.1	38.1	17.9	1.9	0.1	43.8	33.3
Ukraine	626	46.8	27.1	17.2	46.8	8.2	0.6	0.2	49.8	42.9
United States	1045	40.9	36.5	12.5	40.9	8.8	0.9	0.3	42.9	38.9
International Avg.	638	39.7	28.8	17.7	39.7	11.3	2.0	0.4	41.2	38.2
Basque Country, Spain	323	36.1	38.2	17.5	36.1	6.3	1.7	0.2	38.2	33.9
British Columbia, Canada	607	30.4	41.5	14.3	30.4	11.9	1.5	0.4	30.9	29.9
Dubai, UAE	439	55.7	16.5	14.3	55.7	11.7	1.4	0.4	55.9	55.6
Massachusetts, US	273	54.7	30.3	8.1	54.7	5.2	1.5	0.3	57.9	51.7
Minnesota, US	262	45.9	34.1	11.6	45.9	8.4	0.0	0.0	43.5	49.2
Ontario, Canada	499	29.4	45.0	13.7	29.4	10.4	1.4	0.0	29.6	29.3
Quebec, Canada	566	29.2	49.0	13.1	29.2	7.0	1.2	0.6	26.1	32.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S042403 - S06_09)
 Label: Find out if metal 2 is a magnet
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	750	44.2	15.4	25.5	14.6	0.2	44.2	46.8	41.7
Armenia	670	30.2	10.5	31.3	26.0	2.1	30.2	32.7	27.2
Australia	580	36.6	49.3	11.3	2.8	0.0	36.6	31.8	41.5
Bahrain	594	39.9	31.9	15.9	11.6	0.6	39.9	47.9	32.1
Bosnia and Herzegovina	604	27.8	36.4	12.4	23.3	0.0	27.8	25.3	30.4
Botswana	599	4.3	31.0	59.6	5.0	0.1	4.3	4.4	4.2
Bulgaria	432	34.7	24.9	11.1	27.6	1.7	34.7	28.7	39.7
Chinese Taipei	573	37.8	44.5	7.5	10.2	0.0	37.8	35.6	39.9
Colombia	682	12.6	51.4	27.8	7.1	1.1	12.6	6.6	19.0
Cyprus	625	29.5	21.4	28.3	20.4	0.3	29.5	34.1	24.7
Czech Republic	685	60.2	30.9	5.1	3.0	0.7	60.2	59.4	61.0
Egypt	941	18.9	40.4	29.2	11.4	0.1	18.9	18.5	19.3
El Salvador	581	5.8	47.8	29.6	15.7	1.0	5.8	3.7	8.3
England	559	37.2	42.7	16.8	2.5	0.7	37.2	33.5	40.9
Georgia	587	13.7	31.9	12.1	41.7	0.5	13.7	15.7	12.1
Ghana	748	2.6	22.2	36.7	37.2	1.3	2.6	2.2	2.9
Hong Kong SAR	494	28.5	46.5	12.8	11.7	0.5	28.5	22.9	34.3
Hungary	585	60.2	26.0	9.4	4.3	0.0	60.2	56.6	63.5
Indonesia	600	28.4	19.8	42.8	8.6	0.4	28.4	26.1	30.7
Iran, Islamic Rep. of	558	30.8	38.7	18.8	11.3	0.4	30.8	24.4	35.7
Israel	456	22.0	42.1	17.4	17.5	1.0	22.0	21.1	23.1
Italy	639	26.0	41.3	15.1	17.4	0.2	26.0	18.8	33.0
Japan	618	41.8	48.8	5.6	3.9	0.0	41.8	38.6	44.8
Jordan	754	28.1	17.9	46.0	7.9	0.1	28.1	26.2	29.8
Korea, Rep. of	605	54.3	20.0	22.1	3.6	0.0	54.3	56.0	52.8
Kuwait	587	15.3	38.2	21.2	23.2	2.1	15.3	16.5	13.8
Lebanon	542	10.7	27.8	36.5	23.8	1.3	10.7	11.4	9.8
Lithuania	555	33.3	45.1	13.1	8.4	0.0	33.3	24.1	44.1
Malaysia	637	17.2	42.0	31.4	8.9	0.5	17.2	17.1	17.3
Malta	668	21.0	39.2	23.8	15.6	0.5	21.0	15.3	27.2
Morocco	453	15.1	27.2	33.7	23.2	0.8	15.1	14.7	15.7
Norway	669	35.9	42.9	13.6	7.4	0.3	35.9	31.2	40.1
Oman	676	12.1	43.4	35.2	9.2	0.2	12.1	16.7	7.2
Palestinian Nat'l Auth.	619	16.7	41.6	32.4	9.3	0.0	16.7	16.8	16.6
Qatar	1027	11.8	24.5	33.4	30.0	0.4	11.8	15.0	8.4
Romania	596	41.1	37.5	11.4	9.8	0.1	41.1	40.4	41.9
Russian Federation	638	40.3	39.2	8.2	12.0	0.3	40.3	33.6	46.6
Saudi Arabia	594	14.7	42.1	27.3	15.6	0.3	14.7	15.9	13.5
Scotland	583	31.7	45.0	15.7	7.2	0.3	31.7	26.2	37.3
Serbia	566	28.1	34.7	16.5	20.2	0.5	28.1	29.3	27.0
Singapore	653	54.5	32.4	10.3	2.8	0.0	54.5	51.5	57.9
Slovenia	568	29.0	52.3	16.1	2.6	0.0	29.0	27.8	30.3
Sweden	756	35.8	35.7	20.4	7.6	0.5	35.8	29.1	41.7
Syrian Arab Republic	661	20.3	36.7	23.6	19.0	0.4	20.3	19.9	20.7
Thailand	772	18.4	49.8	18.5	12.4	0.9	18.4	14.2	22.5
Tunisia	574	19.9	44.6	23.8	10.6	1.0	19.9	14.2	25.3
Turkey	650	21.5	44.7	22.8	10.8	0.1	21.5	18.2	24.3
Ukraine	626	43.0	39.9	7.6	9.3	0.2	43.0	31.9	57.5
United States	1045	33.0	50.0	14.7	1.9	0.4	33.0	30.2	35.8
International Avg.	637	28.1	36.5	21.7	13.2	0.5	28.1	26.1	30.1
Basque Country, Spain	323	33.7	53.2	4.4	8.4	0.2	33.7	29.6	37.9
British Columbia, Canada	607	40.4	42.1	10.8	6.3	0.4	40.4	39.2	41.6
Dubai, UAE	439	28.4	42.2	19.0	10.0	0.4	28.4	29.9	27.2
Massachusetts, US	273	43.0	42.9	11.9	1.8	0.5	43.0	40.8	44.9
Minnesota, US	262	38.3	49.1	12.1	0.5	0.0	38.3	34.3	44.1
Ontario, Canada	499	48.0	40.7	8.8	2.6	0.0	48.0	45.2	51.1
Quebec, Canada	566	39.8	42.6	12.1	4.8	0.7	39.8	35.9	43.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S042272 - S06_10)
 Label: Molecules of a liquid when it cools
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	779	29.5	29.5	15.5	23.1	28.4	3.3	0.2	25.8	33.1
Armenia	671	66.0	66.0	3.5	5.2	17.6	4.9	2.8	63.0	69.6
Australia	580	60.1	60.1	8.7	13.9	16.8	0.4	0.0	51.6	68.7
Bahrain	594	51.0	51.0	19.5	11.3	16.3	1.2	0.6	50.3	51.7
Bosnia and Herzegovina	604	38.9	38.9	9.0	27.4	19.3	5.2	0.3	42.6	35.0
Botswana	600	36.0	36.0	13.2	18.4	31.2	1.1	0.1	35.4	36.7
Bulgaria	432	54.5	54.5	9.1	14.5	17.4	2.8	1.7	56.0	53.3
Chinese Taipei	573	52.6	52.6	13.6	14.8	18.7	0.4	0.0	52.1	53.1
Colombia	682	32.6	32.6	16.6	22.1	24.3	3.1	1.3	24.6	41.2
Cyprus	625	50.4	50.4	20.7	15.0	12.7	0.7	0.5	49.3	51.5
Czech Republic	685	73.3	73.3	8.4	5.1	10.9	1.6	0.7	69.8	76.6
Egypt	940	35.5	35.5	14.2	15.1	33.8	1.3	0.1	34.0	36.9
El Salvador	581	31.1	31.1	24.1	13.1	28.3	2.1	1.3	27.4	35.4
England	559	65.8	65.8	9.5	11.8	11.6	0.7	0.7	63.5	68.0
Georgia	586	63.1	63.1	6.4	11.3	16.6	2.1	0.5	64.2	62.3
Ghana	748	39.0	39.0	17.6	15.9	24.2	1.5	1.9	36.9	40.9
Hong Kong SAR	494	49.0	49.0	13.5	19.2	17.2	0.6	0.5	44.7	53.3
Hungary	585	73.4	73.4	6.6	9.1	9.5	1.3	0.0	72.5	74.2
Indonesia	600	39.2	39.2	22.1	26.2	10.7	1.5	0.4	36.0	42.2
Iran, Islamic Rep. of	558	57.5	57.5	11.0	10.5	19.3	1.3	0.4	57.6	57.4
Israel	456	65.2	65.2	12.8	8.4	10.8	1.9	1.0	63.6	67.1
Italy	635	55.7	55.7	12.0	12.6	17.2	2.3	0.2	55.7	55.7
Japan	618	44.3	44.3	12.8	18.6	23.9	0.3	0.0	39.8	48.5
Jordan	754	55.3	55.3	15.9	9.2	19.0	0.5	0.1	58.5	52.3
Korea, Rep. of	605	78.4	78.4	11.3	6.9	2.6	0.7	0.0	75.7	80.9
Kuwait	587	41.3	41.3	21.6	10.7	21.7	2.4	2.3	43.3	38.9
Lebanon	538	35.3	35.3	20.2	22.2	18.9	2.0	1.4	31.9	39.2
Lithuania	553	55.3	55.3	7.0	19.9	17.0	0.9	0.0	52.0	59.1
Malaysia	637	50.3	50.3	11.9	16.2	20.3	0.4	0.9	47.3	54.2
Malta	668	50.5	50.5	15.8	14.4	15.7	2.9	0.6	48.0	53.3
Morocco	451	33.1	33.1	17.1	18.9	25.5	4.6	0.8	29.4	37.2
Norway	669	60.5	60.5	13.6	12.1	11.9	1.8	0.3	56.1	64.5
Oman	676	48.3	48.3	18.6	11.6	19.5	1.6	0.3	49.9	46.6
Palestinian Nat'l Auth.	619	28.2	28.2	19.7	16.7	34.2	1.3	0.0	24.5	32.1
Qatar	1027	35.2	35.2	25.0	18.3	19.7	1.3	0.5	36.9	33.4
Romania	596	60.1	60.1	9.8	16.9	12.5	0.6	0.1	57.7	62.6
Russian Federation	638	75.0	75.0	6.6	5.1	10.2	2.3	0.8	71.6	78.3
Saudi Arabia	594	61.9	61.9	16.3	8.4	12.4	0.8	0.3	60.3	63.3
Scotland	583	55.1	55.1	10.7	14.8	17.6	1.5	0.3	50.0	60.2
Serbia	565	46.0	46.0	7.8	26.8	16.5	2.3	0.5	46.6	45.5
Singapore	653	71.6	71.6	15.0	7.6	5.4	0.4	0.0	70.9	72.5
Slovenia	568	72.6	72.6	10.4	9.9	5.1	2.0	0.0	71.9	73.4
Sweden	756	70.3	70.3	10.5	10.5	7.5	0.6	0.5	69.9	70.7
Syrian Arab Republic	661	30.4	30.4	10.4	16.5	40.7	1.6	0.4	27.6	33.4
Thailand	772	43.0	43.0	14.0	18.9	21.3	1.7	1.1	42.3	43.7
Tunisia	574	33.7	33.7	10.8	20.6	30.0	3.8	1.2	28.3	38.8
Turkey	651	42.9	42.9	19.1	22.3	14.7	0.9	0.1	42.5	43.2
Ukraine	626	66.9	66.9	8.0	12.4	11.7	0.9	0.2	66.6	67.2
United States	1045	70.7	70.7	13.1	7.3	7.7	0.7	0.4	68.7	72.8
International Avg.	638	51.7	51.7	13.5	14.6	17.9	1.7	0.6	49.9	53.7
Basque Country, Spain	323	48.1	48.1	13.4	19.0	15.1	4.2	0.2	45.5	50.8
British Columbia, Canada	607	80.7	80.7	8.1	4.5	5.2	1.1	0.4	79.6	81.9
Dubai, UAE	439	60.7	60.7	12.8	6.5	18.2	1.4	0.4	58.1	63.0
Massachusetts, US	273	82.0	82.0	9.0	4.1	3.9	0.5	0.5	79.2	84.5
Minnesota, US	262	72.6	72.6	11.5	5.6	10.3	0.0	0.0	69.8	76.5
Ontario, Canada	499	81.5	81.5	7.4	4.8	5.6	0.7	0.0	80.1	82.9
Quebec, Canada	566	57.4	57.4	11.2	10.3	18.3	2.1	0.7	53.0	61.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S042100 - S06_11)
 Label: Observations for reaction
 Type: CR Key: -

COUNTRY	N	20	10	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	768	4.4	32.0	29.0	34.1	0.5	36.4	4.4	4.2	4.6
Armenia	670	32.4	10.8	13.0	40.8	3.0	43.2	32.4	35.9	28.3
Australia	580	51.6	27.7	11.8	8.8	0.0	79.3	51.6	54.1	49.1
Bahrain	594	27.5	36.8	17.3	17.8	0.6	64.3	27.5	37.7	17.4
Bosnia and Herzegovina	604	7.7	21.7	24.8	45.4	0.3	29.5	7.7	7.0	8.5
Botswana	600	4.2	18.1	63.0	14.3	0.5	22.3	4.2	3.6	4.9
Bulgaria	432	31.1	16.9	14.3	36.1	1.7	48.0	31.1	30.2	31.9
Chinese Taipei	573	34.4	32.3	16.3	17.0	0.0	66.7	34.4	36.5	32.4
Colombia	681	14.1	28.7	35.6	19.3	2.3	42.8	14.1	13.1	15.2
Cyprus	625	10.8	39.1	17.9	31.8	0.5	49.9	10.8	13.1	8.4
Czech Republic	685	19.5	29.3	36.3	14.2	0.7	48.8	19.5	19.2	19.8
Egypt	941	6.2	26.1	47.1	20.4	0.1	32.3	6.2	5.4	7.0
El Salvador	581	3.2	19.6	43.4	32.5	1.3	22.8	3.2	2.6	3.9
England	559	63.3	18.0	9.3	8.6	0.7	81.3	63.3	67.0	59.7
Georgia	586	10.5	23.1	17.7	48.1	0.5	33.6	10.5	9.8	11.0
Ghana	748	1.9	12.9	40.4	42.6	2.2	14.8	1.9	2.0	1.8
Hong Kong SAR	494	26.4	33.9	20.5	18.8	0.5	60.3	26.4	27.0	25.8
Hungary	585	18.6	30.7	31.3	19.3	0.0	49.4	18.6	19.1	18.3
Indonesia	600	7.7	24.5	44.8	22.3	0.7	32.2	7.7	7.1	8.3
Iran, Islamic Rep. of	558	18.4	23.7	31.6	26.0	0.4	42.0	18.4	18.9	17.9
Israel	456	20.2	28.6	21.9	28.2	1.0	48.9	20.2	23.1	16.8
Italy	640	8.5	19.7	30.3	41.2	0.3	28.2	8.5	11.0	6.1
Japan	618	41.7	31.5	15.8	10.8	0.2	73.2	41.7	44.4	39.2
Jordan	754	33.8	34.7	21.3	10.1	0.2	68.5	33.8	41.0	27.1
Korea, Rep. of	605	15.6	24.3	41.6	18.6	0.0	39.9	15.6	17.5	13.8
Kuwait	587	21.2	23.3	20.4	32.8	2.3	44.5	21.2	28.0	12.9
Lebanon	542	18.5	21.3	27.9	30.9	1.4	39.8	18.5	20.7	15.9
Lithuania	555	21.3	32.6	28.6	17.4	0.0	53.9	21.3	21.6	21.0
Malaysia	637	14.5	37.1	30.0	17.5	0.9	51.6	14.5	16.2	12.4
Malta	667	21.4	29.4	18.3	30.2	0.6	50.8	21.4	20.9	22.0
Morocco	452	9.5	17.6	27.0	44.8	1.0	27.2	9.5	8.6	10.7
Norway	669	28.9	31.9	18.9	20.1	0.3	60.8	28.9	29.6	28.3
Oman	676	18.0	25.7	38.6	17.3	0.3	43.7	18.0	24.0	11.6
Palestinian Nat'l Auth.	619	17.2	22.0	45.8	15.0	0.0	39.2	17.2	17.8	16.5
Qatar	1027	15.8	19.9	32.5	31.2	0.5	35.7	15.8	21.7	9.8
Romania	596	12.4	23.5	28.1	35.8	0.1	35.9	12.4	13.3	11.5
Russian Federation	638	46.0	23.3	12.9	16.5	1.3	69.3	46.0	44.9	47.2
Saudi Arabia	594	22.6	30.9	26.1	20.1	0.3	53.5	22.6	27.8	17.9
Scotland	583	53.3	27.5	10.5	8.4	0.4	80.8	53.3	56.5	50.1
Serbia	565	4.5	21.5	33.1	40.3	0.6	26.0	4.5	5.2	3.8
Singapore	653	37.8	39.9	15.8	6.6	0.0	77.7	37.8	41.3	33.7
Slovenia	568	31.1	29.4	26.3	13.2	0.0	60.5	31.1	32.3	29.7
Sweden	756	17.8	21.0	26.3	34.5	0.5	38.8	17.8	21.3	14.8
Syrian Arab Republic	661	29.6	26.2	19.4	24.4	0.4	55.8	29.6	29.1	30.0
Thailand	772	16.1	25.6	31.3	25.9	1.1	41.7	16.1	18.9	13.4
Tunisia	574	23.3	36.4	18.3	20.9	1.2	59.7	23.3	23.8	22.8
Turkey	651	5.2	19.7	42.1	32.8	0.1	24.9	5.2	7.4	3.4
Ukraine	626	24.9	24.5	26.3	24.2	0.2	49.3	24.9	26.2	23.2
United States	1045	42.1	33.3	16.9	7.0	0.6	75.4	42.1	41.0	43.2
International Avg.	638	21.8	26.3	26.9	24.4	0.7	48.1	21.8	23.4	20.1
Basque Country, Spain	323	2.9	14.7	38.1	44.0	0.2	17.7	2.9	1.7	4.2
British Columbia, Canada	607	30.3	40.1	18.3	10.9	0.4	70.4	30.3	31.4	29.0
Dubai, UAE	439	25.2	30.3	24.5	19.6	0.4	55.4	25.2	29.9	21.0
Massachusetts, US	273	44.2	34.7	14.6	5.7	0.7	78.9	44.2	44.0	44.4
Minnesota, US	262	48.4	34.7	15.4	1.5	0.0	83.1	48.4	49.9	46.2
Ontario, Canada	499	29.0	43.2	21.5	6.2	0.0	72.2	29.0	30.6	27.3
Quebec, Canada	566	31.1	39.4	22.3	6.5	0.7	70.5	31.1	31.0	31.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S042238A - S06_12A)
 Label: Position of thermometer
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	777	20.1	5.2	47.5	20.1	13.8	12.1	1.2	19.4	20.8
Armenia	669	27.2	5.2	19.2	27.2	19.7	23.3	5.4	25.0	29.7
Australia	579	58.5	0.8	28.0	58.5	11.3	1.2	0.2	50.3	66.8
Bahrain	594	32.8	3.5	42.6	32.8	15.3	4.5	1.2	34.7	31.0
Bosnia and Herzegovina	604	34.9	3.1	35.4	34.9	15.5	10.9	0.3	33.2	36.6
Botswana	600	13.7	3.5	67.2	13.7	13.7	1.1	0.9	12.7	14.9
Bulgaria	432	45.0	3.0	24.7	45.0	17.3	8.4	1.7	36.9	51.7
Chinese Taipei	573	53.2	10.0	28.6	53.2	7.7	0.5	0.0	53.3	53.2
Colombia	682	19.4	6.2	48.3	19.4	18.4	4.7	3.0	15.9	23.0
Cyprus	625	35.4	2.4	40.3	35.4	16.8	4.3	0.9	33.0	37.8
Czech Republic	685	57.7	5.1	22.1	57.7	13.4	0.9	0.7	54.0	61.3
Egypt	936	26.8	4.4	42.6	26.8	19.6	6.1	0.5	25.2	28.2
El Salvador	581	16.1	8.5	46.0	16.1	19.0	8.1	2.3	14.7	17.8
England	559	45.5	2.2	41.3	45.5	5.8	4.5	0.7	43.9	47.1
Georgia	587	20.7	7.0	39.6	20.7	17.6	14.3	0.9	25.1	17.2
Ghana	748	14.4	7.9	50.7	14.4	8.5	15.3	3.2	14.3	14.5
Hong Kong SAR	494	60.1	1.1	27.3	60.1	9.6	1.2	0.8	59.5	60.7
Hungary	585	55.8	2.7	30.0	55.8	8.2	3.2	0.3	47.9	63.0
Indonesia	600	17.0	3.4	53.3	17.0	21.9	3.4	1.1	16.4	17.6
Iran, Islamic Rep. of	558	30.7	4.4	36.7	30.7	17.2	10.4	0.6	35.4	27.1
Israel	456	34.9	3.4	36.8	34.9	16.9	6.6	1.5	30.9	39.8
Italy	638	39.3	3.8	31.3	39.3	19.4	5.5	0.7	32.3	46.2
Japan	618	67.7	12.1	11.5	67.7	7.7	0.9	0.2	65.7	69.5
Jordan	754	27.7	3.8	42.8	27.7	22.7	2.6	0.5	27.3	28.1
Korea, Rep. of	605	58.2	12.9	6.7	58.2	22.0	0.2	0.0	54.4	61.6
Kuwait	587	36.4	5.4	33.9	36.4	15.7	6.2	2.4	37.7	35.0
Lebanon	537	33.7	2.1	38.3	33.7	15.3	8.8	1.7	28.8	39.5
Lithuania	555	46.7	3.6	22.6	46.7	24.3	2.7	0.0	45.3	48.3
Malaysia	637	37.5	0.8	41.9	37.5	18.1	0.7	1.0	33.2	43.1
Malta	666	33.5	2.4	42.0	33.5	15.4	5.8	0.8	31.0	36.2
Morocco	447	32.3	4.5	29.3	32.3	19.9	12.5	1.4	28.9	36.7
Norway	669	57.3	1.5	23.6	57.3	11.2	6.1	0.4	56.8	57.6
Oman	675	20.2	4.9	52.2	20.2	17.8	4.3	0.5	22.1	18.2
Palestinian Nat'l Auth.	619	41.9	7.9	28.3	41.9	17.9	3.9	0.0	39.3	44.7
Qatar	1027	25.5	6.8	34.9	25.5	22.6	9.6	0.6	25.7	25.3
Romania	595	34.5	7.4	33.9	34.5	19.2	4.9	0.1	31.8	37.4
Russian Federation	638	46.9	3.0	26.6	46.9	19.5	2.3	1.6	44.1	49.6
Saudi Arabia	594	20.7	6.2	45.5	20.7	20.9	6.1	0.5	18.9	22.4
Scotland	583	41.7	2.0	41.3	41.7	9.8	4.8	0.4	42.0	41.4
Serbia	565	35.0	5.2	35.5	35.0	16.8	6.8	0.7	34.1	36.0
Singapore	653	46.4	2.6	32.0	46.4	18.2	0.8	0.0	42.5	50.8
Slovenia	567	54.2	2.3	26.8	54.2	14.8	1.8	0.1	53.6	54.9
Sweden	754	52.8	1.4	24.5	52.8	14.5	6.1	0.8	50.1	55.1
Syrian Arab Republic	661	30.7	5.8	41.4	30.7	16.1	5.0	1.0	29.9	31.6
Thailand	772	51.9	3.0	27.5	51.9	13.8	2.3	1.5	52.5	51.3
Tunisia	572	29.4	2.1	40.9	29.4	12.3	13.9	1.5	30.9	27.9
Turkey	650	31.8	2.2	45.7	31.8	17.4	2.3	0.6	29.3	33.8
Ukraine	626	39.6	3.6	34.4	39.6	20.2	1.9	0.3	38.9	40.5
United States	1045	47.1	3.5	34.8	47.1	13.2	0.7	0.7	43.5	50.8
International Avg.	637	37.6	4.4	35.5	37.6	16.0	5.6	1.0	35.8	39.5
Basque Country, Spain	323	42.1	0.7	29.5	42.1	22.0	5.1	0.7	42.4	41.7
British Columbia, Canada	607	54.8	2.6	29.1	54.8	11.2	1.8	0.4	52.5	57.4
Dubai, UAE	439	41.0	5.0	26.2	41.0	21.9	5.2	0.7	41.7	40.3
Massachusetts, US	273	53.5	2.1	29.4	53.5	11.8	1.8	1.3	55.0	52.2
Minnesota, US	262	51.6	2.3	28.7	51.6	16.2	1.2	0.0	47.6	57.2
Ontario, Canada	499	54.5	1.5	30.5	54.5	12.0	1.4	0.0	50.7	58.6
Quebec, Canada	566	61.8	1.9	25.4	61.8	8.3	1.6	1.1	59.0	64.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S042238B - S06_l2B)
 Label: One variable kept constant
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	773	16.6	32.4	48.9	2.0	16.6	18.4	14.9
Armenia	672	26.3	10.2	57.7	5.8	26.3	27.0	25.4
Australia	580	38.9	43.2	17.6	0.3	38.9	39.9	38.0
Bahrain	594	13.6	59.8	25.1	1.4	13.6	18.5	8.8
Bosnia and Herzegovina	604	4.0	27.0	68.4	0.7	4.0	3.2	4.8
Botswana	600	8.4	76.0	14.7	0.9	8.4	9.6	7.0
Bulgaria	432	2.1	32.7	63.5	1.7	2.1	2.9	1.4
Chinese Taipei	573	24.0	49.5	26.6	0.0	24.0	27.4	20.7
Colombia	682	4.3	62.1	29.3	4.3	4.3	3.7	5.0
Cyprus	625	22.6	26.2	50.2	0.9	22.6	26.6	18.6
Czech Republic	685	62.8	20.6	15.8	0.7	62.8	66.3	59.5
Egypt	939	2.6	67.1	29.8	0.5	2.6	4.1	1.3
El Salvador	581	6.8	48.3	41.9	3.0	6.8	6.1	7.6
England	559	51.2	37.8	10.3	0.7	51.2	51.4	51.0
Georgia	587	19.6	14.7	64.6	1.1	19.6	27.7	13.2
Ghana	748	8.5	37.2	50.4	3.9	8.5	9.0	8.0
Hong Kong SAR	494	20.4	44.9	33.7	1.0	20.4	24.8	16.0
Hungary	585	23.6	38.1	38.1	0.3	23.6	20.9	26.0
Indonesia	600	6.2	58.9	33.2	1.8	6.2	6.2	6.1
Iran, Islamic Rep. of	559	7.8	62.5	28.7	0.9	7.8	8.7	7.1
Israel	456	44.4	25.1	28.6	1.9	44.4	45.0	43.7
Italy	640	13.9	30.8	54.5	0.8	13.9	10.0	17.7
Japan	618	67.1	26.0	6.6	0.2	67.1	69.0	65.4
Jordan	754	35.0	44.3	20.2	0.5	35.0	44.3	26.5
Korea, Rep. of	605	10.2	73.9	15.9	0.0	10.2	10.3	10.1
Kuwait	587	3.5	49.3	44.5	2.7	3.5	3.8	3.0
Lebanon	542	13.2	34.0	51.0	1.7	13.2	14.9	11.2
Lithuania	555	26.5	25.8	47.7	0.0	26.5	32.3	19.7
Malaysia	637	22.1	66.9	9.9	1.0	22.1	23.0	21.0
Malta	668	10.9	53.0	35.2	0.8	10.9	12.2	9.5
Morocco	453	5.9	32.0	60.8	1.4	5.9	6.9	4.6
Norway	669	8.1	44.8	46.5	0.6	8.1	8.2	8.0
Oman	675	26.2	51.6	21.5	0.7	26.2	34.0	18.0
Palestinian Nat'l Auth.	619	6.0	72.0	21.8	0.3	6.0	8.5	3.3
Qatar	1027	1.9	49.4	48.1	0.6	1.9	2.1	1.8
Romania	596	5.8	39.6	54.5	0.1	5.8	6.9	4.5
Russian Federation	638	18.7	41.3	38.4	1.6	18.7	17.4	19.9
Saudi Arabia	594	8.8	65.1	25.5	0.5	8.8	11.0	6.8
Scotland	583	34.3	44.9	20.0	0.7	34.3	38.8	29.8
Serbia	566	1.4	35.8	62.1	0.7	1.4	2.3	0.5
Singapore	653	50.3	42.4	7.4	0.0	50.3	51.4	49.0
Slovenia	568	46.2	40.9	12.7	0.1	46.2	54.3	37.8
Sweden	755	1.6	44.1	53.5	0.8	1.6	1.7	1.6
Syrian Arab Republic	661	6.5	45.1	47.3	1.1	6.5	7.5	5.3
Thailand	772	28.6	45.5	24.4	1.5	28.6	32.8	24.5
Tunisia	573	7.5	53.7	37.3	1.5	7.5	9.7	5.4
Turkey	650	28.8	38.0	32.6	0.6	28.8	34.9	23.8
Ukraine	626	32.3	20.9	46.5	0.3	32.3	35.2	28.6
United States	1045	40.1	51.2	8.0	0.7	40.1	41.1	39.0
International Avg.	638	19.9	43.6	35.3	1.1	19.9	21.9	18.0
Basque Country, Spain	323	3.4	53.0	42.9	0.7	3.4	5.7	1.0
British Columbia, Canada	607	35.5	46.8	17.0	0.6	35.5	37.3	33.5
Dubai, UAE	438	22.2	50.6	26.5	0.7	22.2	21.1	23.2
Massachusetts, US	273	44.1	48.0	6.6	1.3	44.1	46.1	42.3
Minnesota, US	262	39.6	56.1	4.3	0.0	39.6	39.7	39.4
Ontario, Canada	499	35.9	49.3	14.8	0.1	35.9	34.0	38.0
Quebec, Canada	566	11.6	67.5	19.7	1.2	11.6	14.2	9.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042141 - S06_13)
 Label: Where active volcanoes are found
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	779	52.0	6.2	52.0	15.4	19.0	4.6	2.7	50.9	53.2
Armenia	671	73.8	4.0	73.8	5.3	5.9	4.6	6.3	75.7	71.6
Australia	580	78.2	1.9	78.2	7.9	11.5	0.3	0.3	76.6	79.8
Bahrain	594	60.4	6.0	60.4	16.4	14.2	0.8	2.1	65.7	55.2
Bosnia and Herzegovina	604	66.6	2.5	66.6	11.5	17.4	1.3	0.7	65.0	68.4
Botswana	599	22.5	13.9	22.5	31.7	28.4	1.4	2.1	22.5	22.5
Bulgaria	432	68.9	1.9	68.9	10.2	14.8	2.6	1.7	70.5	67.5
Chinese Taipei	573	76.3	1.5	76.3	17.5	4.5	0.2	0.0	81.4	71.6
Colombia	682	50.6	6.3	50.6	10.2	25.8	1.6	5.6	46.5	54.9
Cyprus	625	75.6	4.0	75.6	9.0	9.6	0.5	1.4	75.2	76.1
Czech Republic	685	81.8	1.1	81.8	4.8	10.4	1.0	0.9	78.1	85.3
Egypt	939	64.2	5.8	64.2	14.5	13.0	1.8	0.6	68.0	60.8
El Salvador	581	45.9	7.4	45.9	10.6	29.2	2.1	4.8	37.9	55.1
England	559	81.9	1.5	81.9	5.3	9.7	0.9	0.7	81.6	82.1
Georgia	587	52.4	7.4	52.4	13.7	22.9	2.2	1.3	59.4	46.9
Ghana	748	20.7	18.4	20.7	19.2	34.2	2.8	4.7	19.9	21.5
Hong Kong SAR	494	87.7	1.7	87.7	5.6	2.8	1.2	1.0	92.0	83.2
Hungary	585	73.7	0.8	73.7	11.9	12.9	0.4	0.3	71.6	75.6
Indonesia	600	52.1	8.2	52.1	10.1	26.1	1.1	2.5	54.2	50.1
Iran, Islamic Rep. of	560	53.4	5.5	53.4	25.9	11.8	2.1	1.2	59.6	48.6
Israel	456	63.8	5.3	63.8	10.5	15.5	2.6	2.3	61.1	67.1
Italy	634	75.2	1.5	75.2	6.6	14.4	1.4	0.9	76.0	74.3
Japan	618	65.7	7.2	65.7	20.2	6.6	0.1	0.2	69.4	62.2
Jordan	754	50.5	4.5	50.5	28.0	13.9	2.1	1.0	49.8	51.2
Korea, Rep. of	605	73.1	2.5	73.1	11.4	12.9	0.0	0.0	77.3	69.3
Kuwait	587	36.7	7.8	36.7	28.7	19.8	3.8	3.2	41.0	31.5
Lebanon	530	36.0	8.4	36.0	25.7	24.2	3.7	1.9	36.4	35.5
Lithuania	554	88.9	2.4	88.9	2.4	6.0	0.3	0.0	89.8	87.8
Malaysia	637	43.0	4.0	43.0	22.4	28.9	0.7	1.0	47.4	37.2
Malta	666	67.0	6.1	67.0	8.0	16.5	1.2	1.1	67.5	66.5
Morocco	450	68.6	6.4	68.6	11.2	9.6	1.9	2.3	69.7	67.1
Norway	669	59.9	4.1	59.9	16.4	17.3	1.3	1.0	60.9	59.0
Oman	675	49.6	9.7	49.6	21.3	17.0	1.4	1.0	59.2	39.4
Palestinian Nat'l Auth.	619	40.1	11.2	40.1	19.8	26.9	1.6	0.4	42.9	37.1
Qatar	1027	33.4	11.6	33.4	27.6	23.6	3.1	0.7	36.5	30.2
Romania	595	76.8	5.0	76.8	10.0	7.5	0.4	0.3	80.5	72.9
Russian Federation	638	88.8	0.5	88.8	2.7	4.8	1.4	1.7	89.8	87.9
Saudi Arabia	593	46.4	10.3	46.4	19.6	22.0	1.0	0.7	45.1	47.7
Scotland	583	84.4	2.7	84.4	4.3	7.8	0.0	0.7	83.5	85.3
Serbia	564	76.0	1.1	76.0	8.0	12.7	0.9	1.3	74.3	77.8
Singapore	654	74.3	2.5	74.3	12.2	10.7	0.1	0.2	74.3	74.3
Slovenia	568	80.5	1.6	80.5	8.8	7.7	1.2	0.1	80.7	80.2
Sweden	756	81.1	2.5	81.1	8.2	6.4	0.9	0.9	78.4	83.5
Syrian Arab Republic	661	68.6	4.2	68.6	12.1	12.3	1.4	1.4	71.2	65.7
Thailand	772	65.1	3.4	65.1	15.9	13.2	0.9	1.5	66.5	63.8
Tunisia	574	49.7	9.3	49.7	15.3	20.3	3.3	2.1	50.3	49.1
Turkey	651	43.5	9.4	43.5	15.9	28.4	2.1	0.9	45.0	42.2
Ukraine	626	83.9	1.0	83.9	6.9	6.3	1.2	0.7	85.3	82.1
United States	1045	74.7	1.5	74.7	10.2	12.4	0.4	0.8	77.1	72.4
International Avg.	638	62.9	5.2	62.9	13.6	15.3	1.5	1.5	64.1	61.8
Basque Country, Spain	323	78.0	2.5	78.0	5.2	11.1	1.7	1.5	74.3	81.8
British Columbia, Canada	607	76.4	1.3	76.4	11.2	9.6	0.5	0.9	78.6	74.0
Dubai, UAE	438	60.6	6.4	60.6	14.0	16.1	2.2	0.7	64.5	57.2
Massachusetts, US	273	85.2	0.5	85.2	6.0	5.1	1.4	1.7	84.0	86.3
Minnesota, US	262	88.7	0.0	88.7	5.8	4.9	0.3	0.3	89.6	87.5
Ontario, Canada	499	76.4	1.9	76.4	10.8	9.5	1.2	0.1	74.9	78.1
Quebec, Canada	566	83.8	1.3	83.8	8.8	3.8	0.9	1.3	83.6	84.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042215 - S06_14)
 Label: Diagram of an eclipse of the moon
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	32.3	42.2	10.5	7.5	32.3	4.7	2.8	35.1	29.5
Armenia	668	51.5	22.3	4.8	4.9	51.5	9.4	7.1	53.5	49.1
Australia	580	26.4	61.7	6.2	5.2	26.4	0.2	0.3	24.6	28.2
Bahrain	594	51.7	35.5	4.3	4.6	51.7	1.7	2.1	54.7	48.7
Bosnia and Herzegovina	604	52.5	30.2	6.8	4.8	52.5	4.9	0.7	53.7	51.3
Botswana	599	20.4	41.2	21.2	13.9	20.4	0.7	2.6	21.2	19.5
Bulgaria	432	38.4	42.9	6.8	5.1	38.4	5.1	1.7	35.3	41.0
Chinese Taipei	573	47.1	43.3	5.7	3.7	47.1	0.2	0.0	47.0	47.2
Colombia	682	19.2	53.5	9.4	9.0	19.2	2.7	6.1	17.7	20.7
Cyprus	625	32.3	43.3	10.2	10.7	32.3	2.2	1.4	33.9	30.6
Czech Republic	685	66.5	25.1	4.2	2.7	66.5	0.6	0.9	63.1	69.8
Egypt	938	42.9	30.3	10.9	13.3	42.9	2.0	0.6	41.8	43.9
El Salvador	581	12.4	49.1	17.4	10.8	12.4	5.3	5.1	15.8	8.5
England	559	25.3	65.2	4.7	3.1	25.3	0.4	1.2	25.8	24.8
Georgia	587	32.5	38.2	16.6	5.9	32.5	5.5	1.3	34.7	30.8
Ghana	748	19.4	33.7	23.7	14.5	19.4	3.7	5.1	19.0	19.8
Hong Kong SAR	494	36.0	47.4	7.3	7.1	36.0	0.9	1.4	38.1	33.9
Hungary	585	44.5	46.0	6.1	2.8	44.5	0.4	0.3	42.5	46.3
Indonesia	600	39.1	39.9	11.1	6.5	39.1	0.7	2.8	40.0	38.2
Iran, Islamic Rep. of	560	55.6	27.9	6.8	6.1	55.6	2.2	1.5	54.1	56.7
Israel	456	30.1	46.6	9.5	8.2	30.1	3.3	2.3	31.5	28.5
Italy	636	34.5	52.5	4.5	5.6	34.5	1.7	1.2	36.4	32.7
Japan	618	44.8	39.8	7.2	7.2	44.8	0.7	0.4	49.1	40.9
Jordan	754	46.3	35.3	7.3	9.0	46.3	0.8	1.3	48.4	44.3
Korea, Rep. of	605	40.1	47.8	7.7	4.4	40.1	0.0	0.0	37.2	42.7
Kuwait	587	28.7	41.9	12.1	11.7	28.7	2.2	3.4	32.6	23.9
Lebanon	539	31.2	42.9	9.0	7.3	31.2	7.0	2.5	29.7	32.9
Lithuania	555	42.5	45.4	7.0	3.3	42.5	1.7	0.2	46.2	38.2
Malaysia	637	38.1	49.0	7.2	4.2	38.1	0.5	1.0	37.9	38.4
Malta	667	26.3	59.0	6.4	4.5	26.3	2.3	1.6	28.6	23.8
Morocco	450	33.1	34.2	13.1	9.6	33.1	7.9	2.0	34.6	31.6
Norway	669	36.7	49.0	4.5	4.1	36.7	4.2	1.5	35.5	37.8
Oman	675	38.4	36.7	13.1	9.5	38.4	1.1	1.2	42.4	34.1
Palestinian Nat'l Auth.	619	43.0	29.6	14.2	10.3	43.0	2.1	0.8	51.5	34.1
Qatar	1027	27.6	36.7	17.1	14.7	27.6	3.2	0.7	30.9	24.2
Romania	595	31.3	46.5	10.8	8.6	31.3	2.6	0.3	34.9	27.5
Russian Federation	638	34.1	51.4	7.2	4.2	34.1	1.4	1.7	37.1	31.3
Saudi Arabia	593	36.8	30.7	15.4	13.7	36.8	2.5	1.0	37.4	36.3
Scotland	583	26.5	60.8	5.5	5.8	26.5	0.7	0.7	29.9	23.1
Serbia	564	58.2	23.0	7.8	5.0	58.2	4.8	1.4	58.2	58.1
Singapore	654	43.9	48.1	5.2	2.0	43.9	0.6	0.3	43.8	44.0
Slovenia	568	35.3	55.4	5.5	3.0	35.3	0.7	0.1	36.2	34.4
Sweden	755	36.0	55.7	2.4	3.0	36.0	1.7	1.2	40.7	31.9
Syrian Arab Republic	661	37.0	37.2	13.1	8.6	37.0	2.5	1.5	37.8	36.2
Thailand	772	35.4	43.5	9.2	8.8	35.4	1.3	1.8	33.5	37.2
Tunisia	574	29.5	42.5	11.8	10.0	29.5	3.7	2.5	27.4	31.6
Turkey	651	36.2	43.0	11.9	6.9	36.2	0.8	1.2	35.2	37.0
Ukraine	626	47.0	39.7	5.7	5.2	47.0	1.6	0.8	47.8	46.0
United States	1045	36.8	51.4	5.7	4.6	36.8	0.7	0.8	34.1	39.4
International Avg.	638	37.0	42.7	9.2	7.0	37.0	2.4	1.6	37.9	35.9
Basque Country, Spain	323	27.0	60.7	3.5	4.3	27.0	2.5	1.9	20.1	34.1
British Columbia, Canada	607	26.5	61.9	6.2	3.7	26.5	0.6	1.1	28.2	24.5
Dubai, UAE	438	32.8	50.8	7.9	5.1	32.8	2.5	0.9	37.7	28.5
Massachusetts, US	273	47.0	45.7	3.4	1.6	47.0	0.0	2.4	45.1	48.7
Minnesota, US	262	39.1	52.1	4.8	3.3	39.1	0.5	0.3	39.5	38.5
Ontario, Canada	499	32.8	57.5	6.1	2.0	32.8	1.2	0.3	36.4	28.9
Quebec, Canada	566	40.4	50.6	4.0	2.8	40.4	0.5	1.6	40.4	40.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032606 - S07_01)
 Label: Which organ system
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	68.8	9.5	11.6	6.4	68.8	3.2	0.5	68.0	69.6
Armenia	674	89.6	1.3	5.3	1.1	89.6	2.4	0.3	92.6	86.1
Australia	572	74.4	8.4	8.1	8.1	74.4	0.9	0.1	73.5	75.3
Bahrain	599	68.9	11.2	15.4	3.3	68.9	1.0	0.1	74.1	64.1
Bosnia and Herzegovina	603	85.9	0.4	8.9	4.2	85.9	0.6	0.0	85.4	86.5
Botswana	601	57.5	15.4	10.4	15.8	57.5	0.1	0.7	63.2	50.6
Bulgaria	441	88.7	3.6	4.7	2.4	88.7	0.6	0.0	90.6	86.9
Chinese Taipei	573	95.5	0.7	2.7	0.8	95.5	0.4	0.0	96.6	94.4
Colombia	686	91.1	2.4	2.5	2.2	91.1	0.2	1.4	90.6	91.6
Cyprus	622	80.4	6.3	9.5	3.0	80.4	0.6	0.1	83.8	77.1
Czech Republic	689	97.6	0.2	1.5	0.3	97.6	0.5	0.0	96.3	98.6
Egypt	935	59.7	10.4	22.8	5.8	59.7	1.2	0.1	58.1	61.1
El Salvador	575	84.2	6.0	4.5	1.9	84.2	1.7	1.7	84.3	84.0
England	563	85.2	4.3	5.7	4.5	85.2	0.2	0.0	85.2	85.2
Georgia	592	92.8	2.2	2.3	1.6	92.8	0.8	0.3	97.4	88.4
Ghana	749	40.3	32.8	12.4	12.0	40.3	1.3	1.1	36.3	43.8
Hong Kong SAR	498	84.7	3.6	9.8	1.3	84.7	0.4	0.2	85.4	84.0
Hungary	588	84.3	1.2	8.5	5.6	84.3	0.1	0.3	85.7	83.2
Indonesia	594	82.5	5.1	8.1	3.4	82.5	0.8	0.1	81.2	83.8
Iran, Islamic Rep. of	557	88.1	2.7	6.7	1.7	88.1	0.8	0.1	87.1	88.9
Israel	465	72.5	7.9	13.6	3.8	72.5	2.0	0.2	68.2	77.5
Italy	637	93.1	0.2	5.0	0.9	93.1	0.2	0.6	94.3	92.0
Japan	615	87.6	5.9	3.3	2.5	87.6	0.8	0.0	89.5	85.7
Jordan	749	51.1	15.2	27.3	5.0	51.1	1.4	0.0	49.1	52.9
Korea, Rep. of	604	96.4	1.1	2.1	0.3	96.4	0.2	0.0	96.2	96.5
Kuwait	596	59.0	7.8	27.6	3.8	59.0	1.5	0.3	54.7	63.9
Lebanon	533	60.3	8.2	21.3	6.9	60.3	2.8	0.5	58.7	62.1
Lithuania	574	96.5	1.1	1.7	0.4	96.5	0.4	0.0	97.1	95.9
Malaysia	641	75.0	5.9	8.0	10.0	75.0	1.0	0.0	78.4	70.9
Malta	675	66.9	8.2	17.4	5.7	66.9	1.8	0.0	70.0	63.7
Morocco	446	69.1	9.6	14.1	3.9	69.1	3.2	0.1	73.5	64.5
Norway	662	61.1	3.5	27.0	5.9	61.1	2.2	0.3	61.9	60.3
Oman	680	51.1	19.8	20.7	6.3	51.1	1.9	0.2	55.5	46.7
Palestinian Nat'l Auth.	605	35.8	19.4	35.0	7.9	35.8	2.0	0.0	35.8	35.8
Qatar	1036	50.4	12.5	20.9	14.7	50.4	1.4	0.0	53.3	47.5
Romania	595	88.1	5.8	3.8	0.9	88.1	1.4	0.0	89.6	86.7
Russian Federation	640	93.4	0.0	4.4	1.3	93.4	0.9	0.0	94.1	92.7
Saudi Arabia	602	74.9	6.6	15.2	2.9	74.9	0.3	0.1	75.5	74.3
Scotland	594	61.9	10.7	17.8	8.4	61.9	1.2	0.0	58.5	65.8
Serbia	569	92.1	1.1	5.0	1.4	92.1	0.4	0.0	91.9	92.3
Singapore	649	90.3	1.8	4.8	2.9	90.3	0.1	0.0	93.1	87.5
Slovenia	590	85.9	2.2	9.5	1.2	85.9	1.2	0.0	86.4	85.3
Sweden	741	82.3	4.7	9.8	2.7	82.3	0.4	0.1	85.5	79.4
Syrian Arab Republic	658	82.9	3.1	10.7	2.3	82.9	0.9	0.2	79.8	86.3
Thailand	765	89.0	3.4	5.0	2.1	89.0	0.5	0.0	91.5	86.6
Tunisia	565	61.2	15.6	16.2	3.5	61.2	3.2	0.2	60.6	61.7
Turkey	658	76.9	5.1	10.5	7.0	76.9	0.3	0.2	78.7	75.2
Ukraine	623	93.5	1.1	4.0	1.0	93.5	0.3	0.1	93.3	93.7
United States	1047	78.2	8.2	7.5	5.1	78.2	0.8	0.2	77.0	79.3
International Avg.	639	77.1	6.6	10.8	4.2	77.1	1.1	0.2	77.7	76.4
Basque Country, Spain	329	93.0	1.2	2.5	2.1	93.0	0.5	0.7	93.8	92.3
British Columbia, Canada	603	88.3	3.5	3.0	4.2	88.3	1.0	0.0	89.8	86.9
Dubai, UAE	434	78.2	4.6	12.0	4.2	78.2	0.9	0.0	76.1	80.4
Massachusetts, US	266	82.3	3.9	5.7	6.9	82.3	0.7	0.5	82.6	81.9
Minnesota, US	260	86.0	5.6	4.0	4.2	86.0	0.3	0.0	86.5	85.2
Ontario, Canada	486	83.8	7.1	5.9	2.2	83.8	0.8	0.2	82.6	85.1
Quebec, Canada	563	86.9	2.9	7.1	2.5	86.9	0.6	0.0	87.6	86.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032015 - S07_02)
 Label: Structure found in plant cells
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	772	11.4	0.9	0.4	0.4	1.7	31.3	27.3	25.9	0.7	13.2	13.3	13.1
Armenia	676	39.2	1.8	1.2	0.5	0.7	3.4	21.2	31.6	0.3	42.8	44.5	40.8
Australia	572	14.1	16.5	1.3	0.0	9.4	14.7	18.7	25.1	0.1	31.9	27.2	36.8
Bahrain	599	27.7	14.9	0.7	8.4	6.8	0.3	20.2	20.8	0.1	51.7	66.0	38.1
Bosnia and Herzegovina	603	23.7	8.3	3.7	0.0	6.7	4.3	16.0	37.2	0.0	35.7	40.7	30.4
Botswana	601	17.5	23.8	0.7	0.0	22.6	0.7	28.2	5.8	0.7	42.1	48.3	34.5
Bulgaria	441	24.0	6.4	7.8	0.1	4.2	5.0	8.7	43.7	0.0	38.4	45.5	31.4
Chinese Taipei	573	35.4	34.8	0.2	0.3	2.3	5.5	8.7	12.9	0.0	70.6	72.4	69.1
Colombia	686	13.9	13.4	1.0	0.2	14.8	6.1	20.4	28.8	1.4	28.5	26.7	30.3
Cyprus	622	24.8	4.7	0.6	1.7	3.3	6.5	16.5	41.7	0.1	31.8	35.4	28.3
Czech Republic	689	20.4	0.3	1.3	0.0	9.0	4.2	14.6	50.2	0.0	22.0	22.1	21.8
Egypt	938	37.7	22.6	1.7	0.0	10.9	0.4	16.2	10.3	0.1	62.1	70.9	53.6
El Salvador	575	3.7	3.5	1.2	0.0	4.9	3.0	44.9	37.2	1.7	8.4	8.2	8.6
England	563	20.9	27.6	11.6	0.4	17.0	5.7	9.6	7.3	0.0	60.5	64.0	57.2
Georgia	592	24.2	1.4	3.9	0.4	2.8	12.8	15.6	38.7	0.3	29.9	31.8	28.1
Ghana	749	13.8	16.5	0.6	0.0	11.5	2.4	31.2	23.0	1.1	30.9	27.8	33.7
Hong Kong SAR	498	37.4	15.9	0.5	0.4	5.0	1.9	18.2	20.5	0.2	54.2	51.5	56.9
Hungary	588	31.3	2.2	0.1	0.0	3.1	6.3	13.7	43.0	0.3	33.7	37.2	30.7
Indonesia	594	10.6	4.4	0.6	3.7	4.1	2.1	53.9	20.2	0.3	19.3	22.2	16.4
Iran, Islamic Rep. of	557	15.2	2.3	0.0	0.5	0.0	22.0	29.3	30.7	0.1	18.0	20.3	16.2
Israel	465	9.0	4.7	0.3	1.2	2.1	11.9	27.0	43.6	0.2	15.2	16.3	13.8
Italy	637	17.0	1.5	0.2	0.7	7.2	12.3	12.5	48.1	0.6	19.4	18.0	20.6
Japan	615	24.4	1.6	0.0	0.0	0.3	33.4	23.6	16.6	0.0	26.0	23.4	28.7
Jordan	749	31.9	3.6	0.3	0.4	2.0	5.3	38.0	18.5	0.0	36.2	43.4	29.6
Korea, Rep. of	604	37.4	16.0	0.7	0.0	10.0	12.6	13.1	10.1	0.0	54.1	47.2	60.7
Kuwait	596	28.1	9.8	6.1	0.0	12.4	1.2	19.1	22.9	0.3	44.0	50.8	36.2
Lebanon	538	15.8	3.3	0.6	0.1	5.0	8.8	22.6	43.1	0.7	19.8	21.6	17.7
Lithuania	574	26.1	4.4	2.7	0.0	7.5	6.5	15.3	37.5	0.0	33.2	36.3	29.9
Malaysia	641	14.2	26.1	2.1	0.0	5.7	2.2	35.9	13.6	0.3	42.4	45.1	39.2
Malta	674	17.3	12.6	4.2	0.0	7.8	8.0	23.5	26.6	0.0	34.1	38.7	29.3
Morocco	447	6.1	0.2	0.2	0.0	3.7	3.8	20.2	65.6	0.3	6.5	7.0	6.0
Norway	662	11.0	5.7	6.1	0.0	4.5	11.6	38.0	22.8	0.3	22.8	23.5	22.2
Oman	680	34.1	10.3	1.1	0.1	7.0	1.6	30.3	15.3	0.2	45.6	57.4	33.6
Palestinian Nat'l Auth.	605	24.1	5.8	1.3	2.0	9.2	8.3	29.7	19.4	0.1	33.2	40.0	26.0
Qatar	1036	12.9	1.2	0.4	0.1	1.8	8.1	44.5	31.0	0.0	14.6	16.8	12.3
Romania	594	33.5	0.4	0.7	0.3	3.9	8.6	15.0	37.6	0.0	34.9	39.7	30.6
Russian Federation	640	42.6	0.1	2.5	2.4	1.4	12.7	11.8	26.2	0.3	47.6	49.2	46.0
Saudi Arabia	602	22.5	2.1	0.3	0.0	2.6	4.6	43.9	24.0	0.1	24.9	29.5	20.8
Scotland	594	10.4	12.5	1.4	0.0	11.2	17.9	21.1	25.5	0.0	24.3	24.7	23.8
Serbia	569	31.4	3.4	1.3	1.3	4.3	8.2	7.4	42.8	0.0	37.4	37.6	37.1
Singapore	649	16.1	59.1	0.3	0.4	6.1	4.3	10.9	3.0	0.0	75.9	76.3	75.4
Slovenia	590	39.2	4.6	4.0	3.6	2.3	18.2	14.1	13.9	0.0	51.4	51.8	51.0
Sweden	741	30.7	3.4	0.4	4.6	5.6	7.6	22.0	25.4	0.3	39.1	41.0	37.3
Syrian Arab Republic	658	57.8	2.6	0.0	0.4	13.6	5.0	9.7	10.6	0.2	60.8	64.9	56.3
Thailand	765	15.4	9.8	0.4	0.5	8.4	6.2	30.7	28.4	0.0	26.2	27.8	24.7
Tunisia	565	21.9	0.4	0.4	0.1	3.0	21.2	34.2	18.7	0.2	22.8	21.2	24.3
Turkey	658	26.7	12.3	0.2	1.5	9.0	16.2	14.9	19.0	0.2	40.6	48.0	33.8
Ukraine	623	23.3	0.0	2.5	0.7	2.1	11.0	23.4	36.8	0.1	26.6	25.3	28.0
United States	1047	22.3	24.8	0.1	0.0	11.8	12.3	17.5	11.1	0.2	47.1	45.4	48.7
International Avg.	639	23.5	9.5	1.6	0.8	6.4	8.7	22.5	26.8	0.2	35.4	37.6	33.1
Basque Country, Spain	329	11.8	1.1	0.0	0.0	3.3	12.4	25.3	45.5	0.7	12.9	14.4	11.4
British Columbia, Canada	603	23.5	33.6	2.0	0.0	8.2	2.5	16.2	14.0	0.0	59.1	54.7	63.3
Dubai, UAE	434	20.6	26.7	1.7	1.5	9.9	8.0	18.5	13.3	0.0	50.4	52.3	48.6
Massachusetts, US	266	29.8	35.4	0.0	0.0	7.5	6.4	12.7	7.7	0.5	65.2	68.9	60.9
Minnesota, US	260	29.0	18.6	0.0	0.0	11.0	14.7	19.1	7.5	0.0	47.6	49.1	45.6
Ontario, Canada	486	21.7	32.8	1.0	0.0	8.3	4.6	16.6	14.8	0.2	55.4	54.4	56.6
Quebec, Canada	564	10.5	3.9	0.8	0.4	11.7	10.2	34.1	28.4	0.0	15.6	15.5	15.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032310A - S07_03A)
 Label: Factors for photosynthesis
 Type: CR Key: -

COUNTRY	N	10	11	12	13	19	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	771	35.0	3.6	6.0	2.8	0.1	3.5	1.4	0.8	21.2	24.6	1.1	47.5	48.2	46.8
Armenia	676	43.5	9.4	6.8	0.9	0.3	3.3	1.0	0.1	9.3	25.0	0.3	61.0	62.1	59.6
Australia	572	37.2	2.8	11.3	0.2	0.0	3.3	0.3	0.5	18.2	26.1	0.1	51.5	49.8	53.2
Bahrain	599	39.6	5.2	10.0	1.2	0.6	2.6	0.4	0.5	17.7	22.1	0.1	56.6	68.0	45.7
Bosnia and Herzegovina	603	48.1	8.8	7.8	0.0	0.3	3.1	0.8	0.0	6.6	24.2	0.2	65.0	68.6	61.3
Botswana	601	21.8	4.7	15.3	2.6	0.2	6.3	4.6	0.0	36.3	7.0	1.1	44.7	49.7	38.5
Bulgaria	441	40.2	5.2	6.3	0.8	0.0	2.6	0.3	0.0	10.5	34.0	0.2	52.5	51.0	53.9
Chinese Taipei	573	48.5	17.1	9.4	1.1	0.0	2.6	3.6	0.1	6.8	10.7	0.0	76.2	77.5	75.0
Colombia	686	38.1	3.6	13.3	0.8	0.0	1.9	0.7	0.1	20.4	19.5	1.6	55.8	53.4	58.1
Cyprus	622	44.7	6.2	9.7	0.5	0.0	3.1	0.3	0.0	7.2	28.2	0.2	61.1	64.9	57.3
Czech Republic	689	39.0	15.4	6.9	1.0	0.0	3.0	0.9	0.2	20.3	13.3	0.0	62.3	61.0	63.5
Egypt	938	38.0	9.5	8.6	1.3	0.1	3.0	0.3	0.8	26.6	11.6	0.2	57.4	63.5	51.6
El Salvador	575	30.7	2.4	9.4	2.4	0.5	3.8	0.4	0.6	20.8	26.8	2.0	45.4	43.9	47.2
England	563	57.0	11.0	9.9	0.1	0.0	2.6	1.2	0.3	11.1	6.6	0.3	78.0	78.7	77.3
Georgia	592	35.6	9.9	4.5	0.2	0.0	1.9	0.3	0.0	7.2	40.0	0.3	50.2	51.7	48.7
Ghana	749	35.6	9.2	9.7	0.8	0.1	3.8	1.5	0.4	19.7	18.0	1.2	55.4	50.8	59.4
Hong Kong SAR	498	54.6	14.1	18.7	2.4	0.3	0.6	0.0	0.0	2.5	6.4	0.4	90.1	92.0	88.2
Hungary	588	47.0	8.4	5.0	1.1	0.8	2.1	0.7	0.9	8.1	25.7	0.3	62.3	63.9	61.0
Indonesia	594	48.3	6.2	9.3	0.2	0.1	2.1	0.3	0.0	25.8	7.4	0.3	64.0	67.5	60.6
Iran, Islamic Rep. of	557	11.8	3.7	8.3	0.5	0.0	3.1	0.2	2.1	20.0	50.2	0.1	24.4	22.6	25.7
Israel	465	26.0	3.9	7.1	0.7	0.2	2.3	0.4	0.6	14.5	44.1	0.4	37.8	37.2	38.6
Italy	637	43.8	10.3	6.5	0.1	0.0	3.2	0.7	0.0	11.1	23.8	0.6	60.7	60.8	60.7
Japan	615	55.9	17.7	14.0	0.0	0.1	2.5	0.8	0.2	3.7	5.0	0.0	87.7	88.4	86.9
Jordan	749	49.4	11.4	7.9	2.8	0.0	3.1	0.5	0.6	17.0	7.3	0.0	71.4	76.7	66.6
Korea, Rep. of	604	56.5	11.2	11.2	0.0	0.0	2.2	2.0	0.2	9.7	7.2	0.0	78.8	78.8	78.9
Kuwait	596	42.1	6.2	7.1	2.1	0.0	0.7	0.1	1.0	16.0	24.0	0.6	57.5	70.1	43.0
Lebanon	538	38.0	7.3	5.8	1.2	0.0	1.6	3.3	1.8	11.3	29.1	0.7	52.3	55.0	49.2
Lithuania	574	44.9	7.4	4.5	0.8	0.0	4.1	0.2	0.3	11.6	26.2	0.1	57.6	60.7	54.2
Malaysia	641	35.0	9.2	10.5	3.7	0.3	2.4	0.7	1.0	26.5	10.5	0.3	58.7	61.9	54.8
Malta	674	29.4	3.2	9.9	1.2	0.0	0.7	1.3	1.0	20.0	33.2	0.0	43.7	45.9	41.4
Morocco	447	11.4	0.7	4.6	1.0	0.0	2.0	0.0	0.0	14.6	65.3	0.3	17.8	19.7	15.7
Norway	662	32.1	6.5	10.5	0.5	0.0	3.2	2.0	0.9	17.8	26.1	0.3	49.6	52.9	46.6
Oman	680	41.4	7.8	6.5	0.9	0.0	6.8	0.8	1.0	21.7	12.7	0.4	56.6	68.2	44.8
Palestinian Nat'l Auth.	605	35.2	8.1	12.2	3.4	0.0	4.0	1.6	1.6	22.2	11.6	0.1	59.0	64.6	53.1
Qatar	1036	31.9	2.2	11.7	1.2	0.0	4.3	0.3	0.4	24.2	23.7	0.0	47.1	58.9	34.8
Romania	594	36.7	5.3	8.3	1.3	2.7	2.3	0.9	0.3	15.1	27.1	0.1	54.2	56.0	52.6
Russian Federation	640	57.9	4.7	4.1	0.1	0.0	1.8	0.0	0.0	7.4	23.8	0.3	66.8	67.5	66.0
Saudi Arabia	602	29.6	5.7	12.3	3.7	0.7	4.3	1.2	0.8	24.7	16.9	0.1	52.0	59.3	45.5
Scotland	594	40.7	4.6	9.7	0.8	0.0	1.5	2.3	0.2	13.5	26.5	0.2	55.8	54.6	57.1
Serbia	569	48.7	4.4	9.3	0.9	0.8	1.3	0.3	0.2	8.1	25.9	0.0	64.0	65.7	62.5
Singapore	649	55.1	16.2	13.1	0.5	0.3	2.5	0.8	0.0	7.9	3.6	0.0	85.2	88.1	82.2
Slovenia	590	56.5	13.6	9.8	1.1	0.0	1.0	2.2	0.0	11.0	4.8	0.0	81.0	84.0	77.7
Sweden	741	36.8	7.1	12.3	0.6	0.1	4.3	3.7	0.5	12.6	21.7	0.4	56.8	60.6	53.3
Syrian Arab Republic	658	46.1	3.7	3.1	1.6	0.0	3.8	0.4	1.1	20.1	20.0	0.2	54.4	58.2	50.3
Thailand	765	20.0	8.0	17.3	1.0	0.3	2.0	0.9	0.1	28.0	22.3	0.2	46.6	51.6	41.8
Tunisia	565	34.6	17.8	2.2	2.2	0.0	4.2	4.7	0.8	18.6	14.6	0.3	56.8	54.4	59.1
Turkey	658	26.9	11.1	7.6	3.4	0.3	4.8	1.2	0.5	14.3	29.8	0.2	49.2	55.5	43.4
Ukraine	623	41.4	5.7	5.4	2.2	0.3	1.2	0.2	0.2	10.4	32.8	0.1	55.0	54.4	55.7
United States	1047	57.0	5.0	9.4	0.4	0.0	2.4	2.8	0.5	10.1	12.1	0.2	71.9	71.9	71.8
International Avg.	639	39.9	7.8	9.0	1.2	0.2	2.8	1.1	0.5	15.5	21.6	0.3	58.1	60.6	55.5
Basque Country, Spain	329	49.6	5.7	6.7	0.2	0.4	2.5	0.6	1.2	14.6	18.0	0.7	62.5	63.9	61.2
British Columbia, Canada	603	47.4	1.7	8.8	0.8	1.9	2.5	1.3	0.6	16.0	19.1	0.0	60.6	60.6	60.6
Dubai, UAE	433	54.9	7.9	10.9	0.6	0.0	1.0	0.6	0.6	10.9	12.6	0.0	74.2	76.7	71.7
Massachusetts, US	266	61.5	6.0	11.6	0.7	0.0	1.9	3.1	0.7	8.4	5.8	0.5	79.7	79.8	79.7
Minnesota, US	260	58.6	5.4	12.7	0.4	0.0	1.4	0.9	1.0	14.6	5.0	0.0	77.1	77.1	77.2
Ontario, Canada	486	48.5	2.5	11.7	0.0	1.5	1.1	0.1	2.6	13.6	18.2	0.2	64.3	59.8	68.9
Quebec, Canada	564	41.9	4.9	9.7	1.0	0.1	2.1	1.1	1.1	18.2	19.9	0.0	57.5	61.4	53.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032310B - S07_03B)
 Label: Factors for photosynthesis
 Type: CR Key: -

COUNTRY	N	10	11	12	13	19	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	772	11.6	5.0	10.7	5.0	0.0	3.6	2.6	4.0	27.3	29.1	1.1	32.3	32.3	32.2
Armenia	676	11.4	21.5	9.1	2.7	2.8	5.3	1.2	0.2	16.5	29.0	0.3	47.5	49.3	45.4
Australia	572	10.2	4.5	26.1	0.7	0.0	5.8	1.0	1.7	20.7	29.2	0.1	41.6	37.2	46.0
Bahrain	599	15.0	13.9	19.9	3.8	0.3	3.0	0.8	1.1	18.4	23.7	0.1	52.9	62.4	43.9
Bosnia and Herzegovina	603	10.9	14.0	23.0	1.0	1.0	1.4	1.7	1.9	11.6	33.2	0.2	49.9	53.9	45.6
Botswana	601	10.1	7.5	13.3	7.9	0.5	6.4	3.0	0.3	41.1	8.8	1.1	39.2	44.4	33.0
Bulgaria	441	8.2	13.9	11.7	1.5	0.7	4.1	0.7	0.3	17.4	41.2	0.2	36.1	37.6	34.7
Chinese Taipei	573	15.2	22.0	29.1	3.8	0.0	2.5	2.4	1.1	7.0	16.8	0.0	70.1	72.5	67.9
Colombia	686	9.0	5.9	22.7	2.1	0.1	3.3	1.0	3.2	24.9	26.2	1.6	39.9	38.4	41.3
Cyprus	622	15.2	9.1	19.7	3.1	0.2	5.0	0.6	0.3	9.3	37.3	0.2	47.3	50.9	43.8
Czech Republic	689	11.3	18.4	15.2	2.3	0.8	5.3	2.7	1.4	22.2	20.5	0.0	48.0	45.0	50.6
Egypt	937	12.8	10.1	18.8	5.8	0.3	3.3	0.1	4.5	26.3	17.7	0.2	47.8	53.7	42.1
El Salvador	575	9.0	1.4	17.2	4.4	0.0	2.1	1.6	3.2	27.0	31.9	2.0	32.1	29.9	34.5
England	563	13.4	12.7	36.8	0.5	0.0	3.9	2.5	1.4	18.8	9.7	0.3	63.5	64.3	62.7
Georgia	592	7.0	15.4	10.2	2.2	0.4	3.0	0.4	0.1	13.1	47.8	0.3	35.2	38.1	32.5
Ghana	749	11.4	13.0	18.0	2.1	0.4	7.9	1.0	0.8	22.8	21.4	1.2	44.9	39.2	50.0
Hong Kong SAR	498	21.3	25.4	33.1	2.5	0.2	2.8	1.0	1.5	4.5	7.3	0.4	82.6	86.0	79.1
Hungary	588	8.9	12.4	17.2	1.4	0.7	2.8	1.1	7.5	12.0	35.8	0.3	40.6	40.9	40.4
Indonesia	594	10.8	13.3	21.9	1.8	0.2	3.7	0.8	1.1	35.5	10.6	0.3	48.0	51.8	44.2
Iran, Islamic Rep. of	557	5.2	3.1	9.7	1.0	0.9	1.7	0.2	5.5	17.1	55.7	0.1	19.8	19.3	20.2
Israel	465	6.5	6.7	14.2	1.8	0.0	2.0	0.8	1.2	19.5	47.0	0.4	29.2	29.4	29.0
Italy	637	10.9	16.5	17.0	1.0	0.1	5.0	0.8	1.0	14.9	32.3	0.6	45.5	46.1	44.9
Japan	615	23.1	26.8	27.2	2.3	0.0	4.6	1.7	0.4	6.2	7.8	0.0	79.4	80.1	78.7
Jordan	749	16.8	16.8	20.3	6.0	0.0	4.3	1.9	1.4	21.9	10.5	0.0	59.9	66.3	54.1
Korea, Rep. of	604	16.9	19.5	32.4	2.1	0.0	5.5	3.8	0.5	10.2	9.1	0.0	70.9	70.0	71.7
Kuwait	596	13.8	7.0	22.6	5.4	0.0	1.6	0.6	1.9	16.9	29.6	0.6	48.8	59.8	36.2
Lebanon	538	9.5	8.5	21.2	1.6	0.0	4.0	3.5	5.9	11.9	33.1	0.7	40.8	43.8	37.5
Lithuania	574	10.2	15.5	14.7	0.9	0.0	4.6	0.2	0.8	17.4	35.4	0.1	41.4	42.2	40.6
Malaysia	641	13.8	14.5	20.8	3.4	1.4	3.6	0.6	1.3	26.3	14.0	0.3	53.9	54.8	52.9
Malta	674	8.1	5.3	16.9	1.8	0.1	3.1	1.5	2.1	23.4	37.8	0.0	32.2	32.3	32.1
Morocco	447	3.4	1.8	3.9	4.2	0.3	2.0	0.4	1.5	14.2	68.1	0.3	13.5	15.2	11.7
Norway	662	10.5	7.1	18.7	0.7	0.0	5.1	1.7	1.1	20.8	34.0	0.3	36.9	40.9	33.2
Oman	680	11.3	12.7	17.9	3.0	0.2	5.2	1.3	3.2	27.5	17.3	0.4	45.2	56.8	33.4
Palestinian Nat'l Auth.	605	14.7	9.4	21.3	7.1	0.9	4.1	0.8	1.5	26.0	14.3	0.1	53.3	59.5	46.8
Qatar	1036	12.8	6.2	16.9	3.1	0.0	4.6	0.2	2.0	28.2	26.1	0.0	38.9	51.5	26.0
Romania	594	11.8	6.8	12.7	1.3	3.2	1.8	1.3	2.0	26.0	33.1	0.1	35.8	37.0	34.7
Russian Federation	640	7.3	16.1	21.3	1.7	0.0	5.5	0.6	0.3	16.1	31.0	0.3	46.3	47.9	44.7
Saudi Arabia	602	15.9	7.2	15.0	4.6	1.4	5.2	1.1	3.7	27.7	18.1	0.1	44.1	56.5	33.1
Scotland	594	11.9	4.3	23.1	0.4	0.0	3.8	3.8	0.5	20.3	31.8	0.2	39.7	39.5	39.9
Serbia	569	10.7	8.8	27.2	1.2	1.4	2.0	0.1	1.7	13.5	33.4	0.0	49.4	52.9	46.2
Singapore	649	19.6	32.4	29.1	1.3	0.1	2.1	1.8	0.3	8.7	4.6	0.0	82.5	83.1	81.8
Slovenia	590	18.4	19.5	25.5	0.8	0.0	2.5	3.4	0.2	22.7	7.1	0.0	64.1	64.4	63.8
Sweden	741	12.2	12.4	22.1	0.1	0.9	5.0	2.8	1.6	15.5	27.0	0.4	47.8	48.2	47.4
Syrian Arab Republic	658	10.6	9.7	11.9	6.7	0.0	5.3	0.7	3.6	26.4	25.0	0.2	38.8	41.5	35.9
Thailand	765	11.9	10.3	10.4	2.0	0.3	2.4	0.9	1.4	33.0	27.4	0.2	34.8	36.5	33.2
Tunisia	565	17.9	20.5	3.9	5.2	0.0	4.8	2.0	1.0	25.2	19.0	0.3	47.5	46.1	48.9
Turkey	658	14.7	11.6	15.7	2.8	1.0	3.6	1.3	0.5	14.6	33.9	0.2	45.8	51.4	40.6
Ukraine	623	8.0	10.9	14.6	4.0	0.5	2.1	0.0	1.0	16.9	41.9	0.1	37.9	35.5	40.6
United States	1047	11.6	8.6	33.9	1.7	0.0	4.5	3.8	2.6	17.6	15.5	0.2	55.9	57.3	54.5
International Avg.	639	12.1	12.2	19.1	2.7	0.4	3.8	1.4	1.8	19.6	26.5	0.3	46.5	48.8	44.2
Basque Country, Spain	329	13.8	12.3	24.7	0.4	3.8	2.1	0.3	0.4	17.6	24.0	0.7	55.0	55.1	54.9
British Columbia, Canada	603	11.3	6.5	29.5	2.0	1.3	3.2	1.8	4.9	16.2	23.4	0.0	50.6	48.0	53.0
Dubai, UAE	433	14.1	13.9	37.2	0.3	0.6	2.3	0.8	2.8	9.9	18.1	0.0	66.1	70.6	61.5
Massachusetts, US	266	15.1	14.3	30.4	1.8	0.0	5.0	5.6	1.8	16.9	8.6	0.5	61.6	66.8	55.5
Minnesota, US	260	15.0	9.9	35.3	0.9	0.0	3.4	3.5	1.6	22.7	7.6	0.0	61.1	61.5	60.6
Ontario, Canada	486	13.9	3.4	30.4	0.9	2.6	4.8	0.2	6.5	14.7	22.4	0.2	51.2	49.6	52.9
Quebec, Canada	564	9.9	8.9	22.1	1.1	0.9	3.5	2.1	3.0	20.2	28.5	0.0	42.8	45.8	39.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032310D - S07_03D)
 Label: Factors for photosynthesis/DERIVED
 Type: CR Key: -

COUNTRY	N	20	10	70	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	771	23.4	33.0	18.3	24.2	1.1	56.4	23.4	24.6	22.2
Armenia	676	41.3	26.0	9.3	23.2	0.3	67.2	41.3	43.0	39.2
Australia	572	33.3	26.4	14.5	25.7	0.1	59.7	33.3	29.4	37.3
Bahrain	599	45.6	18.3	14.3	21.7	0.1	63.9	45.6	54.2	37.4
Bosnia and Herzegovina	603	45.5	23.8	6.2	24.2	0.2	69.4	45.5	48.2	42.7
Botswana	601	30.4	23.2	38.6	6.8	1.1	53.5	30.4	35.5	24.1
Bulgaria	441	29.5	29.5	6.8	34.0	0.2	59.0	29.5	28.8	30.2
Chinese Taipei	573	65.6	15.2	8.8	10.5	0.0	80.7	65.6	66.5	64.7
Colombia	686	35.1	25.5	18.6	19.3	1.6	60.6	35.1	33.8	36.3
Cyprus	622	43.1	22.1	6.5	28.0	0.2	65.3	43.1	45.7	40.5
Czech Republic	689	33.6	43.2	10.3	13.0	0.0	76.8	33.6	30.4	36.3
Egypt	937	41.8	21.5	24.9	11.5	0.2	63.3	41.8	46.1	37.8
El Salvador	575	26.5	24.5	20.1	26.8	2.0	51.0	26.5	22.7	30.8
England	563	57.2	26.9	9.2	6.3	0.3	84.2	57.2	59.6	55.1
Georgia	592	30.2	25.0	4.7	39.8	0.3	55.2	30.2	31.1	29.4
Ghana	749	37.4	25.4	18.1	17.9	1.2	62.8	37.4	32.1	42.1
Hong Kong SAR	498	81.4	9.8	1.9	6.4	0.4	91.2	81.4	84.7	78.1
Hungary	588	36.1	30.6	7.3	25.7	0.3	66.8	36.1	35.1	37.0
Indonesia	594	43.4	25.2	23.7	7.4	0.3	68.6	43.4	46.9	39.9
Iran, Islamic Rep. of	557	14.3	15.7	19.8	50.2	0.1	29.9	14.3	13.6	14.7
Israel	465	24.2	18.8	13.3	43.4	0.4	42.9	24.2	24.3	23.9
Italy	637	38.6	29.1	8.1	23.7	0.6	67.7	38.6	39.4	37.8
Japan	615	75.0	17.1	2.9	5.0	0.0	92.1	75.0	75.9	74.1
Jordan	749	53.8	23.6	15.2	7.3	0.0	77.5	53.8	58.0	50.1
Korea, Rep. of	604	65.3	19.1	8.3	7.2	0.0	84.4	65.3	63.0	67.4
Kuwait	596	43.3	19.7	12.6	23.7	0.6	63.0	43.3	54.0	31.0
Lebanon	538	35.1	22.9	12.2	29.1	0.7	58.0	35.1	37.9	31.9
Lithuania	574	35.7	27.6	10.4	26.2	0.1	63.3	35.7	36.7	34.6
Malaysia	641	47.8	17.0	24.4	10.5	0.3	64.8	47.8	49.4	46.0
Malta	674	25.5	25.0	16.4	33.2	0.0	50.4	25.5	26.6	24.2
Morocco	447	7.8	15.7	12.9	63.4	0.3	23.5	7.8	8.7	6.8
Norway	662	29.6	27.3	16.7	26.0	0.3	56.9	29.6	33.9	25.7
Oman	680	36.8	28.2	22.0	12.7	0.4	64.9	36.8	47.3	26.1
Palestinian Nat'l Auth.	605	45.2	21.9	21.7	11.1	0.1	67.1	45.2	51.6	38.5
Qatar	1036	31.9	22.2	22.8	23.1	0.0	54.1	31.9	42.3	21.2
Romania	594	30.7	28.6	13.6	27.0	0.1	59.3	30.7	32.0	29.6
Russian Federation	640	42.7	27.6	5.6	23.8	0.3	70.4	42.7	43.4	42.0
Saudi Arabia	602	30.7	34.7	18.1	16.4	0.1	65.4	30.7	40.6	21.9
Scotland	594	32.9	29.6	11.0	26.3	0.2	62.5	32.9	30.8	35.4
Serbia	569	45.1	23.2	5.8	25.9	0.0	68.3	45.1	47.8	42.8
Singapore	649	76.3	15.1	5.1	3.5	0.0	91.4	76.3	78.3	74.1
Slovenia	590	54.9	35.4	4.9	4.8	0.0	90.3	54.9	55.9	53.7
Sweden	741	39.2	26.2	12.5	21.7	0.4	65.4	39.2	40.6	37.8
Syrian Arab Republic	658	28.7	35.9	15.7	19.6	0.2	64.6	28.7	30.5	26.6
Thailand	765	29.2	23.1	25.3	22.3	0.2	52.3	29.2	31.8	26.7
Tunisia	565	34.7	34.8	15.5	14.6	0.3	69.5	34.7	32.4	37.0
Turkey	658	39.0	17.1	14.4	29.3	0.2	56.1	39.0	44.4	33.9
Ukraine	623	33.9	25.1	8.1	32.8	0.1	59.0	33.9	30.8	37.4
United States	1047	49.1	29.6	9.0	12.1	0.2	78.6	49.1	49.2	49.0
International Avg.	639	39.9	24.7	13.6	21.4	0.3	64.7	39.9	41.8	38.0
Basque Country, Spain	329	43.4	30.8	7.1	18.0	0.7	74.2	43.4	40.7	45.9
British Columbia, Canada	603	42.9	25.5	12.9	18.8	0.0	68.3	42.9	41.6	44.1
Dubai, UAE	433	60.8	18.7	7.9	12.6	0.0	79.5	60.8	65.5	56.1
Massachusetts, US	266	54.5	32.4	6.9	5.8	0.5	86.9	54.5	57.9	50.5
Minnesota, US	260	54.2	29.8	10.9	5.0	0.0	84.0	54.2	53.8	54.8
Ontario, Canada	486	46.3	22.8	12.5	18.2	0.2	69.1	46.3	44.6	48.2
Quebec, Canada	564	37.8	24.8	17.5	19.9	0.0	62.5	37.8	40.9	34.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Reasoning (S032680 - S07_04)
 Label: Identify iron, water and oxygen
 Type: CR Key: -

COUNTRY	N	20	10	11	12	13	19	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	759	31.6	3.0	9.1	9.1	2.5	7.2	27.0	9.3	1.1	62.6	31.6	30.9	32.4
Armenia	676	26.0	35.5	0.7	3.5	1.6	2.5	14.4	15.4	0.3	69.9	26.0	27.0	24.8
Australia	572	56.3	0.4	2.9	16.3	6.9	0.0	12.7	4.5	0.1	82.8	56.3	51.9	60.7
Bahrain	599	23.9	10.7	6.0	28.9	3.4	1.0	17.3	8.7	0.1	73.9	23.9	29.2	18.9
Bosnia and Herzegovina	603	47.9	2.2	5.5	10.2	4.2	0.0	12.2	17.6	0.2	69.9	47.9	45.9	49.9
Botswana	600	33.9	0.2	7.0	10.7	8.4	0.7	34.3	3.2	1.6	60.9	33.9	37.3	29.8
Bulgaria	441	49.9	1.0	3.6	8.4	1.5	0.1	14.8	20.7	0.2	64.4	49.9	48.8	50.9
Chinese Taipei	573	67.9	0.4	3.7	10.5	3.5	0.0	8.5	5.5	0.0	86.1	67.9	65.4	70.2
Colombia	686	16.7	0.2	17.7	19.1	4.2	0.1	29.7	9.8	2.5	58.0	16.7	13.7	19.5
Cyprus	622	46.3	0.0	7.1	8.4	9.2	1.0	17.0	10.8	0.2	72.0	46.3	45.9	46.7
Czech Republic	689	70.4	0.7	2.8	10.4	2.1	0.1	10.6	2.8	0.0	86.6	70.4	64.7	75.4
Egypt	938	23.5	1.4	4.9	9.3	3.3	0.4	42.3	14.7	0.2	42.8	23.5	26.2	20.9
El Salvador	575	10.0	5.2	19.2	9.5	3.8	1.4	35.4	12.9	2.6	49.2	10.0	8.0	12.3
England	563	67.6	0.8	1.9	16.4	3.6	0.3	6.2	2.9	0.3	90.5	67.6	64.8	70.2
Georgia	595	37.2	2.3	2.3	8.3	3.6	0.2	16.7	29.0	0.3	54.0	37.2	40.3	34.3
Ghana	749	17.3	1.1	7.3	4.9	6.0	0.6	42.4	19.1	1.3	37.2	17.3	16.9	17.7
Hong Kong SAR	498	65.0	1.5	4.6	10.2	2.7	0.0	10.4	5.1	0.4	84.1	65.0	65.8	64.1
Hungary	588	64.7	0.7	2.7	8.6	3.5	0.0	15.2	4.3	0.3	80.3	64.7	62.1	66.9
Indonesia	594	25.7	1.0	4.8	13.4	2.5	0.2	40.9	11.2	0.3	47.6	25.7	25.2	26.2
Iran, Islamic Rep. of	557	35.5	0.5	7.5	20.3	8.4	0.5	21.7	5.2	0.5	72.7	35.5	33.2	37.3
Israel	465	46.8	1.1	3.3	26.5	2.1	0.0	10.0	9.8	0.4	79.8	46.8	44.7	49.2
Italy	637	44.6	2.1	7.6	13.6	3.4	0.0	19.2	8.8	0.7	71.3	44.6	39.5	49.4
Japan	615	75.2	1.7	2.4	9.6	1.4	0.0	6.9	2.7	0.0	90.4	75.2	77.2	73.2
Jordan	749	46.5	3.0	4.5	20.5	2.6	0.0	20.0	2.7	0.2	77.1	46.5	52.3	41.2
Korea, Rep. of	604	71.9	0.6	2.1	6.9	6.3	0.0	9.7	2.5	0.0	87.8	71.9	68.5	75.2
Kuwait	596	18.9	2.5	7.6	21.9	1.9	0.7	27.8	18.0	0.6	53.6	18.9	19.4	18.4
Lebanon	538	39.6	1.6	4.4	11.9	4.4	0.1	23.3	13.5	1.1	62.0	39.6	37.7	41.6
Lithuania	574	55.4	1.7	5.9	17.3	2.7	0.0	12.7	4.1	0.1	83.0	55.4	49.6	61.5
Malaysia	641	48.2	2.2	3.4	19.7	5.7	0.4	17.4	2.7	0.3	79.7	48.2	49.9	46.1
Malta	674	42.2	1.2	2.5	21.3	6.9	0.0	18.8	6.9	0.0	74.3	42.2	39.4	45.3
Morocco	447	20.8	1.3	11.9	17.2	4.7	1.2	27.6	14.9	0.3	57.2	20.8	17.9	24.3
Norway	662	65.8	0.6	3.9	6.4	9.1	0.3	9.9	3.4	0.5	86.2	65.8	61.7	69.6
Oman	680	32.7	0.7	3.4	19.0	1.9	0.1	35.9	5.9	0.4	57.8	32.7	40.4	25.0
Palestinian Nat'l Auth.	605	30.3	0.2	4.5	21.0	3.2	0.0	34.9	5.7	0.1	59.2	30.3	34.4	26.1
Qatar	1036	14.8	1.4	4.7	17.9	2.5	0.3	43.8	14.7	0.0	41.5	14.8	15.4	14.2
Romania	595	44.6	4.0	3.9	16.0	2.8	0.0	19.2	9.4	0.1	71.4	44.6	44.2	44.9
Russian Federation	640	65.6	0.9	3.5	8.4	3.1	0.0	10.1	8.2	0.3	81.5	65.6	63.7	67.6
Saudi Arabia	602	20.6	6.8	8.1	21.0	2.2	0.2	32.9	8.0	0.2	58.8	20.6	22.8	18.6
Scotland	594	53.6	0.9	2.6	18.4	7.3	0.4	11.6	5.0	0.2	83.2	53.6	49.5	58.3
Serbia	569	53.5	1.5	4.5	8.4	5.1	0.3	11.8	15.0	0.0	73.2	53.5	48.4	58.1
Singapore	649	69.0	1.5	2.5	9.7	4.4	0.0	11.2	1.8	0.0	87.0	69.0	70.9	67.0
Slovenia	590	68.9	1.1	3.4	13.0	4.1	0.0	8.5	1.1	0.0	90.4	68.9	62.1	76.5
Sweden	741	70.8	0.6	1.8	6.4	6.9	0.0	8.7	4.5	0.4	86.5	70.8	68.5	72.9
Syrian Arab Republic	658	31.9	1.4	5.4	12.4	5.8	9.4	23.0	10.5	0.2	66.3	31.9	31.3	32.6
Thailand	765	33.7	1.2	5.9	19.7	3.1	0.0	30.0	6.2	0.2	63.6	33.7	36.0	31.5
Tunisia	565	24.9	0.5	9.0	29.2	2.6	1.0	25.5	6.5	0.8	67.2	24.9	23.8	26.0
Turkey	658	34.0	0.7	6.7	14.0	4.2	0.0	29.6	10.6	0.2	59.6	34.0	33.1	34.8
Ukraine	623	53.6	3.3	4.7	9.1	3.8	0.0	16.5	8.9	0.1	74.5	53.6	49.4	58.3
United States	1047	44.3	0.2	4.7	25.5	6.1	0.0	17.2	1.9	0.2	80.7	44.3	41.0	47.4
International Avg.	639	43.7	2.4	5.3	14.3	4.2	0.6	20.5	8.7	0.4	70.4	43.7	42.8	44.6
Basque Country, Spain	329	38.7	5.0	7.9	20.5	6.8	0.0	14.4	5.9	0.7	79.0	38.7	37.5	39.9
British Columbia, Canada	603	49.3	0.2	5.7	10.7	10.1	0.0	19.4	4.5	0.0	76.1	49.3	44.0	54.4
Dubai, UAE	433	56.9	1.2	4.7	16.4	3.5	0.1	13.0	4.2	0.0	82.8	56.9	52.3	61.5
Massachusetts, US	266	59.9	0.3	5.0	13.5	6.2	0.0	13.1	1.6	0.5	84.9	59.9	59.9	60.0
Minnesota, US	260	47.8	0.6	4.2	18.2	7.8	0.0	20.3	1.1	0.0	78.5	47.8	44.2	52.7
Ontario, Canada	486	53.9	1.0	3.6	12.6	11.2	0.1	14.7	2.7	0.2	82.3	53.9	52.6	55.2
Quebec, Canada	564	52.2	1.1	8.4	7.2	7.8	0.2	19.5	3.6	0.0	76.9	52.2	48.2	56.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S032672 - S07_05)
 Label: Example of acidic solution
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	74.5	7.6	74.5	3.7	9.5	3.5	1.2	75.6	73.5
Armenia	667	34.6	22.4	34.6	18.8	17.9	5.9	0.3	33.7	35.7
Australia	572	52.1	37.9	52.1	3.0	5.7	1.2	0.1	56.4	47.7
Bahrain	599	79.1	6.4	79.1	1.9	11.6	0.9	0.1	85.3	73.2
Bosnia and Herzegovina	603	66.0	19.6	66.0	3.9	7.6	2.7	0.2	64.8	67.2
Botswana	601	59.1	18.5	59.1	10.6	8.2	1.1	2.5	65.8	51.1
Bulgaria	441	49.7	40.9	49.7	1.2	5.9	2.1	0.2	47.2	52.2
Chinese Taipei	573	88.2	8.6	88.2	1.2	1.6	0.4	0.0	89.8	86.7
Colombia	686	65.8	13.4	65.8	3.1	12.9	2.2	2.5	65.4	66.3
Cyprus	622	58.5	8.3	58.5	5.4	26.0	1.6	0.2	57.1	59.8
Czech Republic	689	84.1	6.2	84.1	0.6	8.0	1.0	0.0	88.6	80.3
Egypt	933	61.6	5.1	61.6	13.9	17.3	1.9	0.2	66.5	56.8
El Salvador	575	48.5	33.2	48.5	2.6	10.1	2.8	2.8	55.9	40.2
England	563	73.1	18.2	73.1	1.9	5.6	0.9	0.3	75.4	71.0
Georgia	595	53.9	22.3	53.9	3.3	17.7	1.8	1.0	55.5	52.5
Ghana	749	37.5	9.8	37.5	17.9	30.7	2.2	1.7	35.7	39.2
Hong Kong SAR	498	83.1	10.7	83.1	2.4	2.3	1.0	0.4	87.7	78.5
Hungary	588	57.8	25.1	57.8	0.5	13.7	2.6	0.3	56.4	59.1
Indonesia	594	78.7	3.6	78.7	3.9	13.2	0.3	0.3	81.2	76.3
Iran, Islamic Rep. of	557	57.4	35.7	57.4	1.4	4.0	1.1	0.5	53.8	60.2
Israel	465	38.2	25.1	38.2	17.5	13.2	5.6	0.4	37.8	38.7
Italy	636	32.7	61.7	32.7	1.1	2.9	0.9	0.7	33.6	31.9
Japan	615	54.2	27.5	54.2	5.5	11.9	1.0	0.0	53.5	54.9
Jordan	749	60.9	13.3	60.9	4.7	19.9	1.0	0.2	65.5	56.8
Korea, Rep. of	604	59.2	36.1	59.2	1.9	2.1	0.7	0.0	58.7	59.8
Kuwait	596	79.1	7.8	79.1	2.3	7.6	2.6	0.6	82.9	74.7
Lebanon	526	72.4	15.3	72.4	4.5	5.8	0.9	1.2	75.6	68.7
Lithuania	574	65.9	25.9	65.9	0.5	6.4	1.1	0.1	65.2	66.8
Malaysia	641	69.5	17.8	69.5	2.6	9.7	0.1	0.3	72.9	65.5
Malta	674	45.9	40.6	45.9	3.8	9.0	0.6	0.0	42.8	49.2
Morocco	446	63.3	10.4	63.3	14.4	8.3	3.2	0.3	65.1	61.7
Norway	662	76.3	7.9	76.3	3.2	10.2	1.8	0.5	80.7	72.3
Oman	680	65.7	9.1	65.7	6.4	17.5	0.8	0.4	76.8	54.5
Palestinian Nat'l Auth.	604	59.2	11.5	59.2	9.8	18.1	1.3	0.1	59.6	58.8
Qatar	1036	60.3	11.6	60.3	10.5	14.9	2.7	0.0	65.2	55.2
Romania	595	47.5	37.9	47.5	4.4	9.1	1.0	0.1	44.8	49.9
Russian Federation	640	73.5	14.8	73.5	3.3	6.7	1.4	0.5	73.9	73.0
Saudi Arabia	601	61.2	12.0	61.2	3.6	22.7	0.3	0.2	65.3	57.6
Scotland	594	66.1	24.2	66.1	1.8	6.5	1.2	0.2	63.5	69.0
Serbia	569	68.2	14.5	68.2	3.6	12.1	1.7	0.0	66.8	69.4
Singapore	649	57.4	30.4	57.4	4.4	7.8	0.0	0.0	53.7	61.2
Slovenia	590	75.3	10.9	75.3	1.0	10.8	2.0	0.0	73.5	77.3
Sweden	740	79.4	8.0	79.4	1.9	9.9	0.4	0.4	83.2	75.7
Syrian Arab Republic	658	79.8	6.1	79.8	3.4	9.8	0.8	0.2	82.0	77.4
Thailand	764	61.7	21.3	61.7	5.1	10.6	1.1	0.2	64.7	58.8
Tunisia	565	45.9	33.5	45.9	3.7	12.8	3.0	1.2	41.6	50.1
Turkey	658	42.4	36.8	42.4	6.9	12.8	0.9	0.2	47.2	38.0
Ukraine	623	63.6	23.5	63.6	2.2	8.5	2.0	0.1	66.4	60.5
United States	1047	45.1	43.8	45.1	3.4	6.9	0.7	0.2	46.2	44.1
International Avg.	638	61.9	20.3	61.9	4.9	10.9	1.6	0.5	63.4	60.4
Basque Country, Spain	329	31.4	46.3	31.4	5.2	14.1	2.3	0.7	32.0	30.8
British Columbia, Canada	603	60.5	32.0	60.5	2.4	3.6	1.5	0.0	53.1	67.6
Dubai, UAE	433	61.8	23.6	61.8	3.1	10.2	1.3	0.0	60.4	63.2
Massachusetts, US	266	48.5	39.5	48.5	5.7	4.0	1.9	0.5	52.9	43.2
Minnesota, US	260	42.7	42.4	42.7	5.0	9.2	0.7	0.0	42.3	43.3
Ontario, Canada	486	53.7	36.9	53.7	1.7	5.3	2.2	0.2	47.8	59.9
Quebec, Canada	564	62.0	32.1	62.0	1.1	4.0	0.7	0.0	62.5	61.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S032392 - S07_06)

Label: Diagram of a person doing work

Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	70.9	11.5	3.2	70.9	4.0	9.1	1.4	74.1	67.8
Armenia	664	79.5	3.2	6.3	79.5	1.7	9.0	0.3	77.1	82.5
Australia	569	85.9	4.4	3.4	85.9	3.7	2.6	0.1	87.0	84.7
Bahrain	599	70.3	10.4	7.7	70.3	8.2	3.3	0.1	76.3	64.7
Bosnia and Herzegovina	603	77.5	4.9	4.7	77.5	4.3	8.3	0.2	80.2	74.6
Botswana	600	63.6	6.0	7.7	63.6	17.9	2.0	2.7	62.6	64.9
Bulgaria	441	90.9	1.5	0.7	90.9	2.0	4.7	0.2	90.9	91.0
Chinese Taipei	573	80.6	4.7	8.8	80.6	5.4	0.5	0.0	82.2	79.1
Colombia	686	69.7	8.5	9.3	69.7	6.7	2.6	3.2	68.5	70.9
Cyprus	622	72.2	6.7	8.8	72.2	10.0	2.1	0.2	74.2	70.2
Czech Republic	688	85.9	5.2	5.4	85.9	3.2	0.3	0.0	84.0	87.6
Egypt	934	69.7	15.2	8.9	69.7	4.5	1.3	0.2	68.6	70.9
El Salvador	575	67.5	13.6	9.1	67.5	3.4	3.6	2.8	64.9	70.5
England	563	84.7	4.8	4.5	84.7	1.8	3.7	0.4	87.6	82.1
Georgia	595	82.3	4.4	3.9	82.3	5.3	3.1	1.0	84.1	80.6
Ghana	749	63.0	9.2	12.5	63.0	5.4	8.1	1.7	56.8	68.6
Hong Kong SAR	498	75.3	9.0	9.1	75.3	4.6	1.7	0.4	76.2	74.4
Hungary	588	89.9	3.5	0.6	89.9	1.0	4.7	0.3	91.0	89.1
Indonesia	594	86.4	5.6	3.9	86.4	1.6	2.2	0.3	86.4	86.4
Iran, Islamic Rep. of	557	86.2	4.3	3.7	86.2	2.3	3.0	0.5	89.4	83.7
Israel	465	70.7	10.1	7.7	70.7	5.3	5.8	0.4	69.6	72.1
Italy	623	86.9	4.4	5.0	86.9	2.1	0.9	0.7	85.7	88.0
Japan	615	81.8	11.0	3.5	81.8	1.5	2.3	0.0	81.7	81.9
Jordan	749	79.1	5.7	8.4	79.1	5.1	1.4	0.2	80.8	77.6
Korea, Rep. of	604	90.6	2.1	4.2	90.6	2.7	0.4	0.0	89.0	92.1
Kuwait	596	67.4	16.0	6.4	67.4	3.2	6.3	0.6	67.9	66.8
Lebanon	511	85.8	4.0	3.1	85.8	3.5	2.4	1.2	85.0	86.8
Lithuania	574	89.1	1.7	4.2	89.1	2.6	2.2	0.1	87.4	91.0
Malaysia	641	83.9	3.1	4.8	83.9	7.1	0.9	0.3	84.6	83.0
Malta	670	85.8	4.1	4.9	85.8	3.3	1.8	0.0	87.4	84.1
Morocco	439	59.6	18.9	6.4	59.6	7.4	7.0	0.8	63.7	55.2
Norway	662	76.3	9.2	4.2	76.3	5.6	4.2	0.5	75.7	76.9
Oman	680	57.8	21.5	12.3	57.8	4.5	3.2	0.6	58.2	57.3
Palestinian Nat'l Auth.	604	64.7	9.7	11.7	64.7	10.6	3.3	0.1	67.0	62.4
Qatar	1036	55.0	17.1	9.8	55.0	12.0	6.1	0.0	60.5	49.3
Romania	593	79.5	7.5	9.1	79.5	2.5	1.4	0.1	79.3	79.6
Russian Federation	640	90.8	2.5	1.5	90.8	0.9	3.7	0.6	93.9	87.6
Saudi Arabia	600	60.7	17.4	11.2	60.7	7.2	3.2	0.3	58.2	62.8
Scotland	594	82.6	6.7	5.2	82.6	4.5	1.0	0.2	80.0	85.5
Serbia	551	87.0	3.6	6.0	87.0	2.1	1.3	0.0	85.3	88.5
Singapore	649	95.6	1.2	1.5	95.6	1.4	0.3	0.0	97.2	94.0
Slovenia	590	88.3	2.0	2.3	88.3	2.5	5.0	0.0	89.7	86.8
Sweden	740	81.9	7.2	4.0	81.9	4.6	2.0	0.4	82.4	81.5
Syrian Arab Republic	658	79.3	8.1	4.0	79.3	4.9	3.5	0.2	76.9	82.0
Thailand	765	74.4	9.8	9.2	74.4	5.6	0.9	0.2	74.2	74.6
Tunisia	565	48.8	11.2	15.6	48.8	1.9	21.2	1.4	46.0	51.6
Turkey	658	87.9	4.5	3.3	87.9	4.0	0.1	0.2	86.9	88.9
Ukraine	623	89.9	2.9	1.3	89.9	2.8	3.0	0.1	90.2	89.6
United States	1047	91.4	3.0	3.9	91.4	0.6	0.8	0.3	91.1	91.8
International Avg.	637	78.1	7.4	6.1	78.1	4.5	3.5	0.5	78.3	77.8
Basque Country, Spain	329	78.5	7.7	2.9	78.5	3.2	7.1	0.7	85.7	71.4
British Columbia, Canada	603	86.1	5.5	4.7	86.1	2.5	1.3	0.0	85.9	86.3
Dubai, UAE	433	84.2	5.6	4.9	84.2	2.5	2.8	0.0	85.6	82.8
Massachusetts, US	266	87.0	3.0	5.5	87.0	2.8	1.2	0.5	89.8	83.8
Minnesota, US	260	93.1	3.3	1.5	93.1	1.3	0.8	0.0	93.8	92.2
Ontario, Canada	486	87.3	3.9	4.8	87.3	2.9	0.8	0.2	86.5	88.3
Quebec, Canada	564	88.5	4.0	2.2	88.5	2.9	2.3	0.0	85.9	91.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S032425 - S07_07)
 Label: Conserved in thermal expansion
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	35.5	35.5	18.9	14.9	24.4	4.9	1.4	35.7	35.4
Armenia	674	59.9	59.9	16.4	8.8	8.0	6.5	0.3	60.1	59.6
Australia	572	28.7	28.7	23.6	15.6	29.6	2.4	0.1	22.6	34.9
Bahrain	599	47.9	47.9	12.6	17.0	21.0	1.4	0.1	51.7	44.3
Bosnia and Herzegovina	603	50.1	50.1	14.6	16.3	14.2	4.5	0.2	49.7	50.5
Botswana	600	25.0	25.0	18.9	15.5	35.6	1.9	3.1	20.4	30.6
Bulgaria	441	62.3	62.3	9.1	12.0	12.8	3.1	0.8	65.8	58.9
Chinese Taipei	573	83.3	83.3	4.6	3.8	8.3	0.0	0.0	83.4	83.1
Colombia	686	35.6	35.6	33.0	11.6	13.3	2.9	3.6	34.2	36.9
Cyprus	622	47.7	47.7	21.3	14.0	14.9	1.9	0.2	46.1	49.2
Czech Republic	688	51.8	51.8	15.7	13.4	18.6	0.5	0.0	49.6	53.8
Egypt	930	35.1	35.1	17.8	22.6	23.3	1.0	0.2	35.9	34.4
El Salvador	575	34.4	34.4	35.9	10.2	14.1	2.0	3.4	26.7	42.9
England	563	42.2	42.2	20.0	10.2	26.5	0.7	0.4	40.0	44.3
Georgia	595	51.5	51.5	16.1	15.0	13.2	3.1	1.1	52.8	50.2
Ghana	749	26.9	26.9	22.4	13.9	31.1	3.7	2.0	29.7	24.4
Hong Kong SAR	498	68.0	68.0	10.5	9.1	11.8	0.2	0.4	69.7	66.3
Hungary	588	65.6	65.6	8.9	14.0	10.7	0.3	0.4	58.3	71.7
Indonesia	594	38.4	38.4	19.2	20.0	19.6	2.4	0.3	37.6	39.2
Iran, Islamic Rep. of	557	37.2	37.2	19.6	20.2	20.9	1.4	0.7	37.6	36.8
Israel	465	61.9	61.9	12.5	9.6	13.0	2.6	0.4	62.0	61.9
Italy	636	48.6	48.6	20.3	13.1	14.7	2.6	0.7	47.6	49.5
Japan	615	68.2	68.2	11.8	7.2	12.5	0.4	0.0	67.9	68.5
Jordan	749	53.1	53.1	21.3	13.7	11.1	0.5	0.2	61.8	45.3
Korea, Rep. of	604	82.5	82.5	4.2	10.3	2.3	0.7	0.0	79.9	85.0
Kuwait	596	32.1	32.1	15.0	11.3	37.4	3.4	0.9	32.1	32.0
Lebanon	528	48.5	48.5	9.2	18.0	19.0	3.9	1.4	47.7	49.5
Lithuania	573	63.1	63.1	19.3	7.5	9.4	0.4	0.1	58.8	67.8
Malaysia	641	38.3	38.3	20.4	19.9	19.8	1.2	0.4	40.7	35.3
Malta	674	29.1	29.1	22.9	11.4	34.4	2.2	0.0	24.8	33.6
Morocco	447	40.4	40.4	22.7	14.6	18.0	3.5	0.8	42.3	38.4
Norway	662	38.1	38.1	22.2	10.8	25.9	2.5	0.5	38.1	38.1
Oman	680	46.9	46.9	17.9	16.3	15.7	2.2	0.9	50.4	43.3
Palestinian Nat'l Auth.	604	39.9	39.9	19.5	17.9	21.5	1.0	0.1	45.9	33.7
Qatar	1036	33.2	33.2	20.1	18.2	25.9	2.6	0.0	33.2	33.1
Romania	595	32.1	32.1	25.8	22.1	18.2	1.7	0.1	36.2	28.5
Russian Federation	640	67.6	67.6	8.6	8.9	11.9	2.4	0.6	67.5	67.8
Saudi Arabia	600	39.2	39.2	17.6	18.7	22.4	1.3	0.8	47.7	31.7
Scotland	594	30.9	30.9	22.1	13.5	30.9	2.4	0.2	31.3	30.5
Serbia	568	54.5	54.5	18.4	10.4	15.1	1.6	0.0	52.6	56.2
Singapore	649	43.3	43.3	20.2	15.9	20.5	0.1	0.0	42.9	43.7
Slovenia	590	60.8	60.8	15.6	8.6	12.9	2.1	0.0	56.3	65.7
Sweden	741	47.0	47.0	17.8	11.4	20.8	2.4	0.6	49.4	44.7
Syrian Arab Republic	658	42.4	42.4	24.7	14.3	17.3	1.0	0.2	44.0	40.7
Thailand	764	35.3	35.3	22.6	12.6	28.6	0.6	0.3	38.3	32.4
Tunisia	565	49.1	49.1	11.8	12.6	20.3	4.7	1.4	45.1	53.1
Turkey	658	47.8	47.8	22.8	12.8	15.9	0.5	0.2	50.9	44.9
Ukraine	623	52.4	52.4	14.3	12.1	20.1	1.0	0.1	49.6	55.7
United States	1047	37.0	37.0	23.3	13.8	25.0	0.7	0.3	34.5	39.3
International Avg.	638	46.7	46.7	18.1	13.6	19.0	2.0	0.6	46.7	46.9
Basque Country, Spain	329	49.5	49.5	24.6	10.7	12.5	2.0	0.7	50.9	48.2
British Columbia, Canada	603	36.8	36.8	20.1	10.5	30.2	2.4	0.0	34.1	39.4
Dubai, UAE	432	40.6	40.6	19.0	15.1	22.4	2.9	0.0	37.6	43.7
Massachusetts, US	266	41.3	41.3	20.7	12.4	23.0	2.1	0.5	45.1	36.9
Minnesota, US	260	38.1	38.1	23.1	13.2	24.3	0.8	0.5	35.8	41.2
Ontario, Canada	486	35.4	35.4	17.3	10.2	34.1	2.4	0.5	36.5	34.3
Quebec, Canada	564	47.0	47.0	14.1	18.1	19.3	1.5	0.0	47.9	46.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S032257 - S07_08)
 Label: Sound of plucked guitar string
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	24.1	12.2	24.1	44.3	12.1	5.6	1.7	22.9	25.3
Armenia	674	16.0	5.7	16.0	68.3	2.7	6.9	0.4	14.7	17.4
Australia	572	54.0	4.4	54.0	37.8	2.4	1.2	0.3	55.0	52.9
Bahrain	599	21.6	12.5	21.6	54.2	9.2	2.4	0.1	20.3	22.7
Bosnia and Herzegovina	603	23.9	15.1	23.9	52.7	4.6	3.3	0.3	23.2	24.6
Botswana	600	29.1	14.1	29.1	38.3	12.8	2.1	3.7	30.4	27.5
Bulgaria	441	19.3	11.2	19.3	61.1	2.6	4.9	0.9	16.8	21.6
Chinese Taipei	573	72.4	5.1	72.4	17.9	4.6	0.0	0.0	75.9	69.3
Colombia	686	21.9	7.5	21.9	57.8	6.5	2.5	3.8	21.4	22.5
Cyprus	622	32.6	9.7	32.6	53.4	2.8	1.1	0.3	31.9	33.3
Czech Republic	689	55.8	7.3	55.8	33.7	2.9	0.3	0.0	61.3	51.0
Egypt	935	23.1	10.3	23.1	55.6	9.5	1.2	0.3	22.5	23.8
El Salvador	575	19.7	9.9	19.7	58.8	5.9	1.9	3.7	20.6	18.8
England	563	58.1	8.2	58.1	30.8	2.0	0.6	0.4	56.6	59.6
Georgia	595	9.7	9.9	9.7	70.5	3.9	4.5	1.4	10.1	9.4
Ghana	749	25.1	18.1	25.1	42.2	8.7	3.5	2.4	25.2	25.0
Hong Kong SAR	498	58.0	8.4	58.0	28.1	4.8	0.4	0.4	64.4	51.5
Hungary	588	50.4	7.7	50.4	38.8	2.7	0.0	0.4	55.3	46.3
Indonesia	594	26.7	22.9	26.7	43.8	5.2	0.9	0.5	26.3	27.0
Iran, Islamic Rep. of	557	28.7	9.6	28.7	53.2	6.4	1.4	0.8	29.5	28.1
Israel	465	33.8	10.2	33.8	48.1	4.4	3.2	0.4	32.0	35.9
Italy	636	38.6	11.7	38.6	44.2	4.0	0.9	0.7	37.8	39.5
Japan	615	75.6	4.7	75.6	17.9	1.1	0.7	0.0	81.1	70.1
Jordan	749	19.6	10.1	19.6	63.9	4.5	1.7	0.2	22.3	17.2
Korea, Rep. of	604	56.8	7.6	56.8	32.5	3.0	0.0	0.0	61.0	52.9
Kuwait	596	24.1	11.6	24.1	52.9	7.2	3.3	0.9	25.2	23.0
Lebanon	536	26.7	18.4	26.7	42.3	6.8	4.1	1.8	25.5	28.0
Lithuania	574	31.8	12.7	31.8	53.4	1.4	0.5	0.1	34.7	28.7
Malaysia	641	32.4	14.4	32.4	47.4	4.7	0.6	0.6	32.7	32.0
Malta	675	29.9	13.9	29.9	48.5	6.5	1.2	0.0	27.4	32.6
Morocco	446	27.0	11.7	27.0	44.7	10.1	5.6	0.8	30.4	22.7
Norway	662	48.4	11.4	48.4	34.4	4.5	0.6	0.7	54.5	42.9
Oman	.	.	.	.	.	.	.	.	.	.
Palestinian Nat'l Auth.	.	.	.	.	.	.	.	.	.	.
Qatar	1036	29.5	14.6	29.5	42.7	11.7	1.4	0.0	28.2	30.8
Romania	595	34.1	11.0	34.1	48.6	5.1	1.1	0.1	30.8	37.1
Russian Federation	640	40.4	10.2	40.4	43.6	3.5	1.2	1.1	39.7	41.0
Saudi Arabia	601	21.9	13.9	21.9	51.2	10.7	1.5	0.8	20.8	22.9
Scotland	594	48.9	8.1	48.9	39.4	2.8	0.7	0.2	51.6	45.9
Serbia	569	35.1	13.0	35.1	47.4	3.5	1.0	0.0	29.7	39.9
Singapore	649	54.6	7.6	54.6	35.5	2.2	0.1	0.0	59.4	49.7
Slovenia	590	62.0	7.0	62.0	26.3	4.3	0.5	0.0	68.9	54.1
Sweden	741	48.6	14.1	48.6	33.6	2.9	0.3	0.6	47.8	49.2
Syrian Arab Republic	658	27.1	13.8	27.1	48.3	9.6	1.0	0.2	27.9	26.3
Thailand	765	28.8	11.2	28.8	48.2	10.4	0.9	0.5	29.7	28.1
Tunisia	565	37.4	4.9	37.4	47.9	4.1	3.8	1.8	35.1	39.7
Turkey	658	13.8	10.7	13.8	69.4	5.4	0.5	0.2	15.4	12.3
Ukraine	623	28.7	10.6	28.7	53.1	5.8	1.6	0.1	31.0	26.1
United States	1047	50.3	7.3	50.3	39.5	2.1	0.5	0.3	51.3	49.2
International Avg.	639	35.7	10.8	35.7	45.7	5.4	1.8	0.7	36.5	34.8
Basque Country, Spain	329	47.0	10.2	47.0	37.9	3.6	0.6	0.7	48.2	45.9
British Columbia, Canada	603	53.2	6.1	53.2	37.7	1.6	1.3	0.0	50.9	55.5
Dubai, UAE	433	31.0	10.6	31.0	53.5	3.4	1.4	0.0	29.6	32.5
Massachusetts, US	266	49.0	8.2	49.0	38.4	2.0	1.9	0.5	56.3	40.3
Minnesota, US	260	59.9	5.2	59.9	32.4	2.1	0.0	0.5	61.0	58.2
Ontario, Canada	486	59.4	5.5	59.4	30.4	2.9	0.5	1.4	60.7	57.9
Quebec, Canada	564	42.2	9.3	42.2	41.3	6.0	1.2	0.0	46.3	38.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S032663 - S07_09)
 Label: Caused by tilt of Earth's axis
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	41.0	41.0	32.5	9.5	10.0	4.7	2.3	38.3	43.7
Armenia	672	23.2	23.2	60.4	4.6	6.6	4.6	0.6	23.1	23.4
Australia	571	51.2	51.2	26.6	6.3	13.4	2.2	0.3	51.0	51.5
Bahrain	599	54.6	54.6	25.8	8.6	9.8	0.9	0.3	51.9	57.1
Bosnia and Herzegovina	603	38.8	38.8	34.7	4.7	17.7	3.8	0.3	38.8	38.9
Botswana	600	24.4	24.4	49.8	9.6	10.9	0.8	4.5	27.3	21.0
Bulgaria	441	45.3	45.3	31.7	4.1	15.0	2.6	1.2	43.3	47.3
Chinese Taipei	573	23.9	23.9	50.8	8.2	16.7	0.3	0.0	19.3	28.0
Colombia	686	29.1	29.1	44.2	12.1	6.4	3.4	4.8	23.5	34.5
Cyprus	622	33.2	33.2	41.6	10.5	13.0	1.4	0.4	32.0	34.4
Czech Republic	689	53.2	53.2	30.3	4.4	10.9	1.2	0.0	50.8	55.2
Egypt	932	47.0	47.0	31.4	7.5	12.9	1.0	0.3	51.4	42.7
El Salvador	575	27.0	27.0	42.8	11.9	11.8	1.9	4.7	25.2	29.1
England	563	57.2	57.2	30.8	3.6	7.4	0.6	0.4	57.8	56.7
Georgia	595	27.8	27.8	38.6	7.4	21.6	2.9	1.6	28.5	27.1
Ghana	749	17.3	17.3	63.9	7.0	7.9	1.3	2.6	16.7	17.9
Hong Kong SAR	498	24.4	24.4	46.3	12.7	15.6	0.6	0.4	19.8	29.1
Hungary	588	39.3	39.3	36.6	6.7	15.5	1.5	0.4	37.4	40.9
Indonesia	594	22.0	22.0	57.8	6.9	11.8	0.8	0.7	22.9	21.2
Iran, Islamic Rep. of	557	31.3	31.3	31.8	16.4	18.1	1.1	1.2	29.0	33.2
Israel	465	34.2	34.2	42.2	9.0	10.4	3.5	0.6	35.6	32.6
Italy	632	53.5	53.5	24.3	3.7	16.8	0.9	0.7	51.7	55.3
Japan	615	35.4	35.4	49.7	3.5	10.3	1.1	0.0	34.7	36.0
Jordan	749	54.7	54.7	25.0	6.1	11.9	1.7	0.6	57.5	52.2
Korea, Rep. of	604	43.3	43.3	40.4	2.6	13.6	0.2	0.0	41.5	45.0
Kuwait	596	50.2	50.2	28.1	9.9	8.4	2.0	1.3	56.0	43.5
Lebanon	526	32.1	32.1	39.8	18.3	5.1	2.7	1.9	32.7	31.4
Lithuania	573	45.8	45.8	32.7	4.1	16.0	1.2	0.1	43.3	48.5
Malaysia	641	26.6	26.6	49.4	9.9	12.9	0.3	0.8	24.2	29.6
Malta	671	35.3	35.3	39.9	13.2	10.2	1.3	0.1	33.0	37.6
Morocco	444	35.9	35.9	37.8	13.5	10.3	1.4	1.0	36.2	35.7
Norway	662	50.4	50.4	23.6	11.3	12.1	1.6	0.9	52.5	48.5
Oman	680	51.8	51.8	33.0	7.1	6.2	0.8	1.0	55.1	48.5
Palestinian Nat'l Auth.	602	44.4	44.4	34.9	11.0	7.4	2.0	0.3	49.0	39.5
Qatar	1036	39.6	39.6	32.8	14.5	11.7	1.3	0.1	38.1	41.2
Romania	595	34.1	34.1	31.8	8.3	22.6	3.1	0.1	30.8	37.0
Russian Federation	640	37.7	37.7	37.5	7.5	12.4	3.7	1.2	34.9	40.7
Saudi Arabia	600	48.3	48.3	31.8	8.8	9.5	0.9	0.8	49.6	47.1
Scotland	594	34.1	34.1	40.9	9.1	14.9	0.9	0.2	29.3	39.5
Serbia	564	44.2	44.2	30.0	6.0	17.5	2.1	0.1	41.4	46.8
Singapore	649	24.0	24.0	52.3	7.9	15.6	0.2	0.0	23.6	24.4
Slovenia	590	53.5	53.5	27.9	2.8	14.9	0.9	0.0	52.8	54.2
Sweden	741	52.8	52.8	28.9	6.0	10.9	0.8	0.7	53.4	52.3
Syrian Arab Republic	658	48.4	48.4	32.3	7.1	10.8	1.1	0.3	44.9	52.3
Thailand	765	32.5	32.5	44.3	8.0	13.9	0.6	0.6	27.0	37.7
Tunisia	565	28.4	28.4	48.7	4.2	12.1	3.6	3.1	23.7	33.0
Turkey	658	36.9	36.9	34.8	6.4	21.1	0.5	0.2	32.7	40.8
Ukraine	623	48.8	48.8	30.3	3.8	14.6	2.4	0.1	46.3	51.7
United States	1047	66.5	66.5	20.9	5.6	6.0	0.6	0.4	66.3	66.7
International Avg.	638	39.5	39.5	37.4	8.0	12.5	1.7	0.9	38.5	40.5
Basque Country, Spain	329	52.9	52.9	31.6	8.6	5.1	1.1	0.7	51.8	53.9
British Columbia, Canada	603	42.0	42.0	36.0	8.3	12.0	1.6	0.0	41.0	43.1
Dubai, UAE	434	42.3	42.3	37.4	9.2	9.3	1.8	0.0	38.6	46.1
Massachusetts, US	266	73.1	73.1	16.0	2.0	7.0	1.5	0.5	73.0	73.2
Minnesota, US	260	71.6	71.6	20.5	2.6	4.8	0.0	0.5	68.9	75.2
Ontario, Canada	486	45.4	45.4	31.8	5.5	14.7	1.0	1.6	40.8	50.2
Quebec, Canada	564	57.1	57.1	25.6	5.6	9.9	1.5	0.3	55.7	58.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S032660 - S07_10)
 Label: Location of fresh water on Earth
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	25.2	7.5	47.3	12.3	25.2	5.3	2.5	27.8	22.5
Armenia	672	32.7	6.7	18.6	38.9	32.7	2.2	0.9	34.0	31.1
Australia	572	50.7	2.4	24.4	21.8	50.7	0.4	0.3	47.6	54.0
Bahrain	599	14.1	11.1	65.2	8.7	14.1	0.5	0.3	13.1	15.1
Bosnia and Herzegovina	603	23.9	9.5	46.8	17.2	23.9	2.2	0.3	20.8	27.1
Botswana	600	21.1	32.6	29.8	11.1	21.1	1.0	4.5	19.9	22.5
Bulgaria	441	48.6	10.7	24.1	14.5	48.6	0.8	1.2	49.4	47.9
Chinese Taipei	573	26.1	7.6	35.2	30.8	26.1	0.4	0.0	24.8	27.3
Colombia	686	23.5	13.1	43.1	13.8	23.5	1.2	5.3	23.4	23.6
Cyprus	622	22.7	6.2	32.1	37.3	22.7	1.2	0.4	21.1	24.3
Czech Republic	689	44.4	6.9	31.6	14.9	44.4	2.2	0.0	32.9	54.3
Egypt	933	15.1	9.8	64.0	9.8	15.1	1.0	0.3	15.6	14.6
El Salvador	575	17.0	13.1	39.6	23.6	17.0	1.9	4.8	15.1	19.1
England	563	54.8	3.3	17.3	23.7	54.8	0.5	0.5	52.9	56.6
Georgia	595	37.7	14.4	23.5	21.0	37.7	1.8	1.7	40.1	35.4
Ghana	749	19.1	25.1	35.1	15.2	19.1	2.6	3.0	21.3	17.1
Hong Kong SAR	498	38.6	7.9	23.3	29.6	38.6	0.2	0.4	36.7	40.4
Hungary	588	31.7	9.7	24.9	32.3	31.7	0.8	0.6	21.5	40.2
Indonesia	594	33.5	7.1	42.0	15.6	33.5	0.9	0.9	41.7	25.2
Iran, Islamic Rep. of	557	50.1	15.4	18.2	14.7	50.1	0.4	1.2	52.2	48.4
Israel	465	29.9	6.7	25.3	35.8	29.9	1.7	0.6	27.4	32.8
Italy	632	43.5	2.2	25.2	27.5	43.5	0.6	0.9	40.4	46.5
Japan	615	28.1	6.1	33.7	31.8	28.1	0.3	0.0	30.2	26.0
Jordan	749	42.2	11.9	29.0	14.5	42.2	1.8	0.6	51.2	34.1
Korea, Rep. of	604	25.1	21.1	36.7	16.9	25.1	0.2	0.0	23.5	26.7
Kuwait	596	8.9	5.2	74.2	8.9	8.9	1.4	1.4	9.2	8.5
Lebanon	528	19.3	12.3	44.5	19.1	19.3	2.5	2.3	17.6	21.1
Lithuania	573	53.8	8.1	22.4	15.1	53.8	0.5	0.1	50.5	57.4
Malaysia	641	28.9	8.1	38.0	23.1	28.9	1.0	0.9	33.6	23.3
Malta	671	27.8	7.0	32.8	31.6	27.8	0.5	0.3	23.5	32.3
Morocco	441	16.8	14.4	48.0	11.6	16.8	7.5	1.9	17.3	16.3
Norway	662	47.3	7.3	16.3	27.3	47.3	0.8	0.9	41.6	52.5
Oman	680	21.7	9.3	54.7	11.6	21.7	1.5	1.2	25.2	18.1
Palestinian Nat'l Auth.	604	29.0	11.3	40.3	17.0	29.0	1.5	0.9	36.2	21.5
Qatar	.	.	.	.	.	.	.	.	.	.
Romania	595	24.9	4.4	60.8	7.3	24.9	2.4	0.1	28.5	21.8
Russian Federation	640	60.3	5.7	13.1	17.6	60.3	1.5	1.8	60.5	60.1
Saudi Arabia	600	12.7	9.5	61.8	14.9	12.7	0.3	0.9	14.2	11.3
Scotland	594	43.4	5.3	27.6	23.4	43.4	0.2	0.2	44.2	42.5
Serbia	564	17.6	11.0	38.3	32.1	17.6	0.8	0.1	17.0	18.1
Singapore	649	67.5	8.3	11.5	12.2	67.5	0.4	0.0	68.8	66.1
Slovenia	590	22.4	6.4	38.9	27.8	22.4	4.5	0.0	17.8	27.5
Sweden	741	30.2	11.5	14.5	42.8	30.2	0.3	0.7	24.2	35.9
Syrian Arab Republic	658	19.9	8.8	55.4	14.4	19.9	1.1	0.3	21.9	17.8
Thailand	765	22.1	8.2	56.1	12.4	22.1	0.5	0.7	27.2	17.3
Tunisia	565	29.6	15.2	36.1	12.2	29.6	3.8	3.2	32.8	26.3
Turkey	658	25.8	11.6	42.9	18.9	25.8	0.5	0.2	27.8	23.9
Ukraine	623	52.7	10.3	18.3	17.2	52.7	1.3	0.2	50.4	55.2
United States	1047	45.8	3.9	27.5	21.8	45.8	0.6	0.4	43.0	48.4
International Avg.	630	31.8	9.8	35.6	20.3	31.8	1.4	1.0	31.6	32.0
Basque Country, Spain	329	39.9	11.1	30.1	17.3	39.9	0.9	0.7	36.2	43.4
British Columbia, Canada	603	54.0	2.5	21.5	21.0	54.0	1.1	0.0	49.0	58.7
Dubai, UAE	434	42.5	5.4	34.3	16.3	42.5	1.5	0.0	45.8	39.1
Massachusetts, US	266	49.1	2.5	22.5	24.6	49.1	0.8	0.5	43.3	56.0
Minnesota, US	260	58.3	0.9	13.0	26.9	58.3	0.5	0.5	54.9	62.8
Ontario, Canada	486	54.0	2.3	19.3	22.2	54.0	0.2	2.0	49.2	59.0
Quebec, Canada	564	45.7	7.6	20.0	25.9	45.7	0.5	0.3	41.7	49.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Reasoning (S032555 - S07_11)
 Label: Table of fertilizer/rice yield data
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	770	1.3	3.1	3.0	0.8	16.6	10.5	27.3	33.7	3.8	8.1	8.2	8.0
Armenia	676	4.2	1.3	15.6	0.9	4.1	0.4	21.5	51.0	1.0	22.0	24.8	18.8
Australia	572	14.4	7.7	12.9	0.0	14.8	1.7	20.4	27.5	0.5	35.0	33.6	36.5
Bahrain	599	4.4	4.3	9.6	2.4	19.0	2.9	28.5	28.7	0.3	20.6	26.9	14.6
Bosnia and Herzegovina	603	5.3	8.1	6.2	2.5	13.7	1.4	12.4	49.3	1.1	22.1	24.4	19.7
Botswana	600	1.0	1.4	1.8	0.6	2.9	1.8	65.1	20.5	4.9	4.8	6.3	2.9
Bulgaria	441	13.7	6.8	6.1	0.1	13.0	0.0	11.1	47.7	1.5	26.7	30.5	23.1
Chinese Taipei	573	12.0	10.4	25.4	3.6	14.6	5.0	13.1	16.1	0.0	51.3	48.7	53.6
Colombia	686	1.6	2.7	4.3	0.0	16.7	2.1	42.2	24.9	5.5	8.5	6.8	10.2
Cyprus	622	3.2	1.9	5.4	7.3	15.7	1.8	17.4	46.9	0.4	17.7	17.1	18.4
Czech Republic	689	19.0	12.3	11.8	2.1	13.3	2.1	9.4	29.6	0.3	45.2	45.5	44.9
Egypt	938	2.1	2.8	3.8	0.4	15.7	2.9	42.1	29.5	0.6	9.2	8.7	9.6
El Salvador	575	2.6	1.1	4.3	0.0	14.6	1.1	33.0	37.3	5.9	8.1	7.2	9.0
England	563	11.0	10.9	16.7	0.4	16.8	5.9	19.4	18.4	0.5	38.9	41.2	36.9
Georgia	595	1.5	1.5	4.3	1.5	16.6	1.9	16.4	53.8	2.3	8.9	10.6	7.2
Ghana	749	0.2	1.0	1.2	0.1	2.3	2.8	30.3	58.2	3.8	2.6	3.3	1.9
Hong Kong SAR	498	17.6	17.1	13.0	0.2	22.2	2.6	13.3	13.7	0.4	47.9	50.1	45.6
Hungary	588	15.9	8.4	21.1	0.0	16.7	5.4	12.7	19.2	0.6	45.4	42.1	48.1
Indonesia	588	6.5	4.3	12.1	2.4	14.0	1.7	41.4	15.9	1.7	25.3	30.0	20.6
Iran, Islamic Rep. of	557	9.5	6.6	7.9	0.7	16.8	2.8	20.0	34.2	1.6	24.6	27.1	22.6
Israel	465	10.0	5.5	7.5	2.2	14.7	2.9	18.0	38.3	0.9	25.2	23.9	26.8
Italy	637	11.4	5.4	12.1	2.6	7.5	2.0	14.6	43.2	1.1	31.5	31.8	31.3
Japan	615	9.5	7.0	33.6	5.9	12.2	6.6	9.8	15.3	0.0	56.1	58.7	53.5
Jordan	749	3.8	5.7	3.0	5.8	22.1	2.2	40.5	16.2	0.7	18.3	22.0	15.0
Korea, Rep. of	604	14.9	26.7	14.5	0.0	9.8	7.8	18.2	8.2	0.0	56.1	52.9	59.1
Kuwait	596	4.1	1.2	3.5	1.8	9.1	0.5	25.4	52.9	1.4	10.6	13.4	7.4
Lebanon	537	5.6	5.1	5.6	2.1	14.4	3.0	21.1	40.0	3.0	18.5	19.3	17.6
Lithuania	574	20.0	14.4	13.7	0.4	8.5	5.5	12.7	24.6	0.1	48.5	51.0	46.0
Malaysia	641	6.2	7.4	11.5	3.3	21.2	5.8	30.2	13.0	1.3	28.4	29.7	26.8
Malta	675	6.5	6.4	6.8	0.1	12.4	3.1	25.2	39.0	0.3	19.9	22.0	17.8
Morocco	447	2.3	2.2	4.3	1.8	14.1	1.4	26.3	41.9	5.7	10.6	10.0	11.2
Norway	662	10.0	8.6	10.6	0.0	10.4	2.9	20.9	35.6	1.0	29.2	32.3	26.4
Oman	680	1.6	1.0	2.5	1.8	23.2	5.3	41.1	21.2	2.2	6.9	8.8	5.0
Palestinian Nat'l Auth.	604	4.0	2.9	2.3	3.3	16.4	3.8	43.2	22.9	1.3	12.4	16.2	8.4
Qatar	1036	1.1	1.1	0.7	0.0	4.8	0.7	48.9	42.3	0.4	3.0	4.0	1.9
Romania	595	8.1	5.4	9.6	0.9	14.6	4.6	17.5	39.2	0.1	23.9	27.6	20.7
Russian Federation	640	9.5	19.4	8.7	3.8	13.9	2.6	14.3	26.0	1.9	41.4	40.2	42.7
Saudi Arabia	602	6.0	0.4	6.3	1.8	12.7	0.3	44.5	26.9	1.1	14.4	17.3	11.9
Scotland	594	9.5	7.4	11.4	0.4	15.9	3.9	22.5	28.7	0.2	28.8	28.4	29.3
Serbia	569	9.4	6.4	7.9	0.6	10.9	1.5	14.7	48.2	0.5	24.4	26.6	22.3
Singapore	649	17.2	8.3	24.4	0.1	12.5	6.8	20.7	10.0	0.0	50.0	53.6	46.2
Slovenia	590	19.1	10.1	13.3	0.9	23.2	3.1	17.0	13.2	0.1	43.4	40.8	46.3
Sweden	741	15.2	11.3	12.8	0.2	9.2	2.6	16.9	30.9	0.8	39.5	41.4	37.8
Syrian Arab Republic	658	5.9	0.3	1.5	1.1	18.0	2.3	28.7	41.8	0.3	8.9	7.5	10.5
Thailand	765	10.1	10.9	8.5	1.9	14.2	2.7	27.7	23.2	0.9	31.4	37.7	25.3
Tunisia	565	7.6	4.7	9.0	2.0	11.0	4.4	38.9	19.0	3.4	23.3	22.4	24.1
Turkey	658	10.5	4.2	10.1	5.0	16.5	1.5	23.9	28.2	0.2	29.8	29.2	30.4
Ukraine	623	6.4	15.0	16.3	2.1	15.1	1.5	11.9	31.4	0.2	39.8	43.0	36.1
United States	1047	11.1	7.5	19.4	0.1	14.7	5.2	28.7	12.9	0.4	38.1	35.2	40.8
International Avg.	639	8.2	6.6	9.8	1.6	13.9	3.1	24.9	30.4	1.4	26.2	27.3	25.1
Basque Country, Spain	329	17.0	7.7	8.6	1.2	14.4	3.1	17.0	29.8	1.2	34.5	29.7	39.1
British Columbia, Canada	603	7.3	10.4	11.3	0.2	14.9	4.9	24.0	27.0	0.0	29.2	27.1	31.1
Dubai, UAE	434	7.9	4.5	7.7	3.0	17.5	2.6	26.4	30.4	0.0	23.1	22.8	23.4
Massachusetts, US	266	16.6	8.8	23.2	0.0	16.5	4.1	19.6	10.2	0.9	48.6	53.1	43.2
Minnesota, US	260	13.4	8.0	22.3	0.0	18.3	5.7	25.3	6.7	0.5	43.6	41.4	46.5
Ontario, Canada	486	16.7	7.9	10.0	0.0	12.7	4.2	26.4	20.0	2.0	34.7	36.4	32.9
Quebec, Canada	564	12.0	7.2	16.2	0.8	12.3	5.8	25.9	19.5	0.3	36.2	37.4	35.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032122 - S07_12)
 Label: Reason for increase in population
 Type: CR Key: -

COUNTRY	N	10	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	771	35.2	3.4	4.2	9.4	19.5	16.5	11.7	38.5	37.9	39.2
Armenia	675	32.5	5.3	0.9	9.0	22.7	13.9	15.6	37.8	39.8	35.5
Australia	572	26.8	0.0	5.2	35.4	22.9	7.0	2.8	26.8	25.6	27.9
Bahrain	599	62.6	2.1	1.2	8.7	14.0	5.7	5.7	64.7	74.3	55.5
Bosnia and Herzegovina	603	27.3	2.1	7.3	8.9	18.0	23.3	13.0	29.5	28.8	30.1
Botswana	596	5.5	0.0	0.4	23.0	54.5	7.2	9.4	5.5	5.1	6.0
Bulgaria	441	33.8	0.4	1.7	15.2	16.6	17.7	14.6	34.2	35.8	32.7
Chinese Taipei	573	41.2	0.6	15.5	14.2	17.4	7.5	3.6	41.7	39.4	43.9
Colombia	686	4.2	0.0	3.2	34.1	34.8	10.4	13.3	4.2	2.6	5.7
Cyprus	622	16.4	5.5	3.7	22.8	18.0	23.7	9.8	21.9	22.4	21.4
Czech Republic	689	27.0	0.6	3.8	22.2	34.4	8.7	3.3	27.6	28.9	26.4
Egypt	937	21.3	0.2	1.3	26.9	31.5	12.4	6.4	21.6	23.6	19.7
El Salvador	575	1.0	0.0	0.7	44.6	30.0	9.5	14.2	1.0	0.8	1.1
England	563	39.0	0.0	3.8	26.2	23.2	3.5	4.3	39.0	42.1	36.2
Georgia	595	7.4	1.5	8.3	3.5	23.5	34.2	21.5	8.9	12.8	5.3
Ghana	749	3.6	0.2	1.3	26.0	32.4	17.5	19.0	3.8	3.6	4.1
Hong Kong SAR	498	25.8	0.9	12.1	27.2	25.3	6.0	2.8	26.6	27.4	25.8
Hungary	588	31.8	0.0	9.2	15.8	25.3	13.7	4.2	31.8	31.6	31.9
Indonesia	593	10.3	2.9	4.7	21.3	46.9	8.4	5.5	13.2	15.7	10.7
Iran, Islamic Rep. of	557	14.2	2.0	9.0	31.8	23.1	11.9	8.0	16.1	17.6	15.0
Israel	465	28.9	0.3	15.4	14.4	18.3	15.7	7.0	29.2	29.9	28.3
Italy	636	46.7	1.1	5.0	17.8	11.6	10.2	7.6	47.8	48.8	46.8
Japan	615	31.2	0.0	3.5	15.6	40.9	6.2	2.6	31.2	29.0	33.5
Jordan	749	53.1	0.6	2.6	15.3	21.4	3.9	3.1	53.6	53.7	53.6
Korea, Rep. of	604	16.5	0.0	43.8	16.5	15.4	6.5	1.2	16.5	17.1	16.0
Kuwait	596	15.6	0.9	6.1	22.5	22.6	19.5	12.7	16.5	20.3	12.2
Lebanon	538	12.5	1.1	10.2	10.0	30.4	20.4	15.4	13.6	12.6	14.7
Lithuania	574	51.9	0.0	3.3	22.7	13.6	5.9	2.7	51.9	50.7	53.1
Malaysia	641	17.1	3.9	8.8	18.4	37.3	9.8	4.7	21.0	22.7	18.9
Malta	675	28.2	0.1	2.1	19.1	32.3	11.5	6.7	28.4	29.8	26.8
Morocco	447	30.8	1.6	1.6	11.1	25.1	15.0	14.9	32.4	35.2	29.4
Norway	662	42.0	0.0	4.0	16.9	24.2	8.0	4.9	42.0	46.2	38.0
Oman	680	7.7	1.4	2.4	19.8	48.3	11.9	8.4	9.1	12.2	5.9
Palestinian Nat'l Auth.	605	13.0	0.7	4.9	25.0	39.7	10.1	6.7	13.7	17.3	10.0
Qatar	1036	24.1	0.1	3.0	7.0	39.6	16.4	9.8	24.2	30.8	17.3
Romania	595	36.2	0.8	4.2	9.4	20.9	18.8	9.5	37.1	40.0	34.5
Russian Federation	640	28.9	0.0	2.1	16.7	25.1	17.3	9.9	28.9	29.2	28.6
Saudi Arabia	602	12.3	0.8	3.0	16.4	44.9	13.4	9.2	13.2	15.7	10.9
Scotland	594	27.7	0.0	3.2	31.4	23.3	10.5	3.9	27.7	28.0	27.3
Serbia	568	24.3	1.3	6.5	8.0	18.1	27.3	14.6	25.6	30.0	21.6
Singapore	649	22.3	0.0	15.3	34.6	21.8	4.6	1.4	22.3	22.1	22.6
Slovenia	590	44.0	0.9	8.1	14.5	24.3	6.9	1.3	44.9	48.4	40.9
Sweden	741	33.4	0.6	3.5	19.8	28.6	9.8	4.4	34.0	40.3	28.1
Syrian Arab Republic	658	42.0	4.1	1.8	16.4	17.0	12.3	6.4	46.1	42.3	50.3
Thailand	765	8.4	3.9	5.9	25.1	39.5	10.7	6.5	12.2	12.5	12.0
Tunisia	565	25.1	0.4	2.5	39.4	19.7	5.5	7.5	25.4	21.8	29.0
Turkey	658	12.2	3.9	6.4	28.9	31.6	11.5	5.5	16.1	15.2	16.9
Ukraine	623	10.2	9.2	8.1	19.3	20.8	23.0	9.4	19.4	20.3	18.3
United States	1047	26.0	0.0	7.0	40.7	21.6	3.3	1.4	26.0	26.5	25.6
International Avg.	639	25.3	1.3	6.0	20.4	26.8	12.3	7.9	26.6	27.8	25.4
Basque Country, Spain	329	52.1	0.5	4.9	9.9	18.3	9.8	4.4	52.6	52.1	53.1
British Columbia, Canada	603	28.1	1.0	7.6	27.1	26.9	6.6	2.6	29.1	28.5	29.6
Dubai, UAE	434	40.7	1.4	7.3	15.0	22.6	9.5	3.5	42.1	43.3	40.9
Massachusetts, US	266	37.4	0.0	3.9	31.8	21.5	3.0	2.3	37.4	38.4	36.4
Minnesota, US	260	35.3	0.0	8.0	37.9	17.0	1.0	0.7	35.3	32.0	39.8
Ontario, Canada	486	26.9	0.4	7.1	34.3	21.0	6.3	3.9	27.3	26.8	27.9
Quebec, Canada	564	26.9	0.1	6.3	30.9	29.4	5.0	1.3	27.1	31.1	23.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042053 - S08_01)
 Label: Vaccinating people against influenza
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	40.8	8.2	15.3	40.8	29.4	6.3	0.0	34.9	47.0
Armenia	682	72.6	5.2	8.0	72.6	7.8	6.3	0.0	73.2	72.1
Australia	574	64.1	12.3	8.7	64.1	13.6	1.1	0.3	60.8	67.3
Bahrain	615	69.8	4.6	6.8	69.8	16.9	1.8	0.1	75.4	64.6
Bosnia and Herzegovina	603	73.1	1.5	13.5	73.1	11.4	0.5	0.0	72.8	73.4
Botswana	594	27.9	14.8	20.4	27.9	33.3	3.6	0.0	25.4	30.6
Bulgaria	442	69.3	7.9	10.1	69.3	10.1	2.4	0.2	74.6	64.7
Chinese Taipei	579	94.9	1.6	2.2	94.9	1.1	0.2	0.0	95.8	94.0
Colombia	692	57.5	8.8	14.8	57.5	17.6	1.2	0.1	52.3	62.5
Cyprus	623	56.2	12.8	12.8	56.2	17.7	0.5	0.0	58.5	54.0
Czech Republic	690	97.5	0.6	0.2	97.5	1.6	0.1	0.0	97.2	97.7
Egypt	931	52.2	7.8	11.7	52.2	27.1	1.2	0.1	52.7	51.7
El Salvador	576	35.0	11.4	8.6	35.0	43.1	1.8	0.0	31.1	39.3
England	571	80.2	6.5	3.3	80.2	8.5	1.4	0.0	79.2	81.0
Georgia	601	49.3	11.4	21.2	49.3	16.2	1.8	0.0	43.8	55.2
Ghana	761	26.5	17.8	23.3	26.5	29.1	3.3	0.1	28.8	24.5
Hong Kong SAR	495	89.7	2.0	4.0	89.7	2.9	1.2	0.2	90.5	89.0
Hungary	582	84.2	2.9	3.5	84.2	9.1	0.3	0.0	87.2	81.2
Indonesia	598	50.5	14.0	15.1	50.5	19.6	0.8	0.0	51.0	50.0
Iran, Islamic Rep. of	569	58.0	5.2	10.5	58.0	25.1	1.3	0.0	54.7	60.7
Israel	479	78.8	2.7	6.1	78.8	8.9	2.8	0.7	81.6	75.7
Italy	635	91.6	2.1	1.4	91.6	4.5	0.3	0.0	93.0	90.2
Japan	623	73.5	11.6	9.2	73.5	5.4	0.3	0.0	73.2	73.9
Jordan	736	57.7	10.8	14.8	57.7	14.4	2.3	0.0	60.4	55.2
Korea, Rep. of	610	79.0	5.3	8.0	79.0	7.3	0.4	0.0	77.7	80.1
Kuwait	592	55.7	9.6	10.4	55.7	20.1	3.5	0.6	58.3	52.8
Lebanon	530	58.8	7.8	14.0	58.8	14.8	4.6	0.0	56.8	61.0
Lithuania	572	63.8	10.9	14.1	63.8	10.9	0.4	0.0	61.3	66.1
Malaysia	635	52.7	23.3	15.9	52.7	6.8	1.2	0.0	53.7	51.6
Malta	661	54.1	9.6	12.2	54.1	21.0	3.2	0.0	56.7	51.3
Morocco	440	56.8	6.5	10.2	56.8	22.5	3.3	0.9	57.1	56.4
Norway	669	82.1	4.0	7.9	82.1	5.5	0.6	0.0	83.7	80.4
Oman	692	47.1	12.9	15.4	47.1	20.7	3.9	0.0	47.0	47.3
Palestinian Nat'l Auth.	618	61.9	5.0	11.2	61.9	19.9	2.0	0.0	61.7	62.1
Qatar	1019	42.6	13.0	20.8	42.6	19.5	4.0	0.0	46.0	39.2
Romania	597	66.6	10.6	6.0	66.6	15.7	1.1	0.0	69.1	64.4
Russian Federation	646	78.4	4.7	6.6	78.4	8.9	1.5	0.0	77.0	79.8
Saudi Arabia	603	51.8	9.9	13.9	51.8	23.5	1.0	0.0	56.8	47.2
Scotland	577	52.8	11.6	11.4	52.8	23.1	1.1	0.0	51.2	54.5
Serbia	582	75.7	2.1	9.2	75.7	11.9	0.9	0.3	83.1	68.6
Singapore	658	70.7	8.3	12.9	70.7	7.7	0.6	0.0	72.2	69.4
Slovenia	591	51.1	4.7	26.8	51.1	15.5	1.9	0.0	45.0	57.4
Sweden	745	76.5	9.3	7.3	76.5	5.5	1.5	0.0	79.2	74.1
Syrian Arab Republic	654	66.4	5.8	7.4	66.4	18.9	1.5	0.0	65.7	67.1
Thailand	770	86.9	1.8	7.2	86.9	3.9	0.3	0.0	89.5	84.2
Tunisia	578	45.0	3.7	7.8	45.0	38.1	5.5	0.0	39.3	50.6
Turkey	642	52.5	7.9	28.9	52.5	10.5	0.2	0.0	55.9	49.5
Ukraine	636	60.4	9.3	14.8	60.4	14.6	0.8	0.0	56.9	64.3
United States	1048	68.9	7.6	7.5	68.9	14.8	1.2	0.0	69.4	68.4
International Avg.	641	63.4	8.0	11.3	63.4	15.4	1.8	0.1	63.6	63.3
Basque Country, Spain	322	71.5	8.2	5.3	71.5	13.6	1.4	0.0	68.8	74.1
British Columbia, Canada	605	79.6	4.3	4.9	79.6	9.8	1.3	0.0	82.0	77.3
Dubai, UAE	456	65.1	8.0	9.2	65.1	16.0	1.7	0.0	66.5	63.6
Massachusetts, US	260	77.0	7.9	5.7	77.0	7.9	1.5	0.0	78.4	75.6
Minnesota, US	257	76.8	9.3	7.1	76.8	6.6	0.3	0.0	81.3	71.6
Ontario, Canada	491	68.4	8.0	11.0	68.4	11.7	0.9	0.0	69.9	66.8
Quebec, Canada	565	85.0	2.0	4.8	85.0	7.4	0.8	0.0	84.5	85.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042408 - S08_02)
 Label: Eagles cannot survive without plants
 Type: CR Key: -

COUNTRY	N	10	11	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	771	46.6	7.0	17.5	16.3	12.6	0.0	53.6	46.9	60.4
Armenia	683	49.6	1.7	1.6	23.6	23.4	0.0	51.4	53.6	49.1
Australia	574	30.2	3.5	20.3	40.0	5.7	0.3	33.7	30.3	36.9
Bahrain	615	44.1	2.7	22.1	19.9	11.1	0.1	46.8	53.0	41.2
Bosnia and Herzegovina	603	35.1	8.3	13.7	20.2	22.7	0.0	43.4	39.5	47.1
Botswana	594	10.8	3.1	18.7	59.2	8.2	0.0	13.9	14.3	13.4
Bulgaria	442	31.1	4.8	10.6	23.5	30.0	0.2	35.8	40.0	32.2
Chinese Taipei	579	43.3	3.6	1.5	43.7	7.9	0.0	46.9	43.6	50.0
Colombia	692	16.0	10.5	13.3	51.6	8.5	0.1	26.5	22.9	29.9
Cyprus	623	27.3	11.3	17.1	24.2	20.1	0.0	38.6	39.1	38.1
Czech Republic	690	29.5	11.4	14.3	29.8	15.1	0.0	40.8	38.2	43.1
Egypt	933	17.7	2.0	33.2	30.6	16.4	0.1	19.7	17.7	21.7
El Salvador	576	15.9	16.5	19.1	39.4	9.1	0.0	32.4	33.8	31.0
England	571	49.5	3.2	14.2	30.4	2.7	0.0	52.7	52.9	52.5
Georgia	601	16.9	8.7	13.2	32.0	29.3	0.0	25.5	30.4	20.3
Ghana	761	2.0	2.6	18.2	50.1	26.7	0.3	4.7	3.6	5.6
Hong Kong SAR	495	39.9	3.0	5.4	41.1	10.4	0.2	42.9	43.7	42.1
Hungary	582	44.3	1.7	5.7	38.9	9.4	0.0	46.1	50.8	41.5
Indonesia	598	16.1	5.7	13.0	61.4	3.8	0.0	21.8	20.4	23.1
Iran, Islamic Rep. of	569	38.0	1.9	14.0	34.2	11.8	0.0	39.9	36.8	42.6
Israel	479	40.9	1.4	13.1	22.6	21.4	0.7	42.2	43.9	40.3
Italy	623	31.1	7.7	3.9	37.4	19.9	0.0	38.8	39.5	38.0
Japan	623	36.0	2.8	17.7	35.9	7.6	0.0	38.8	36.2	41.5
Jordan	736	48.0	0.8	10.2	34.3	6.7	0.0	48.8	49.2	48.4
Korea, Rep. of	610	57.3	2.7	9.8	26.5	3.7	0.0	60.0	64.3	56.0
Kuwait	592	29.7	0.5	17.8	34.5	16.9	0.6	30.2	35.6	24.0
Lebanon	535	17.8	2.4	17.8	30.8	31.2	0.0	20.2	17.8	23.0
Lithuania	574	29.8	13.1	18.4	27.5	11.3	0.0	42.9	43.5	42.2
Malaysia	635	32.4	7.2	8.6	43.9	7.9	0.0	39.6	42.8	35.9
Malta	661	28.6	1.8	25.3	29.7	14.5	0.0	30.4	29.1	31.8
Morocco	440	34.9	9.9	6.1	27.5	20.9	0.9	44.8	45.0	44.5
Norway	669	31.6	13.5	17.4	26.8	10.7	0.0	45.0	46.2	43.9
Oman	692	31.1	3.4	15.8	41.4	8.3	0.0	34.5	40.8	28.4
Palestinian Nat'l Auth.	618	27.8	3.3	19.4	37.5	12.0	0.0	31.1	32.4	29.7
Qatar	1019	13.5	1.5	12.9	41.3	30.8	0.0	15.0	15.9	14.1
Romania	597	38.9	0.2	5.8	44.3	10.8	0.0	39.1	40.2	38.1
Russian Federation	646	51.4	2.1	10.4	29.0	7.1	0.0	53.5	57.3	49.3
Saudi Arabia	603	35.1	2.3	8.8	43.5	10.4	0.0	37.3	38.5	36.3
Scotland	577	29.8	6.2	23.4	31.9	8.8	0.0	35.9	35.0	37.0
Serbia	583	38.3	3.0	11.5	24.1	22.8	0.3	41.3	38.2	44.3
Singapore	658	53.5	8.3	6.5	27.7	4.0	0.0	61.8	57.5	65.6
Slovenia	591	28.0	9.6	28.8	26.5	7.0	0.0	37.6	37.0	38.3
Sweden	745	31.2	9.3	15.3	32.3	11.9	0.0	40.5	43.8	37.6
Syrian Arab Republic	654	39.0	2.9	18.5	26.5	13.0	0.0	41.9	38.5	45.9
Thailand	770	30.8	3.0	16.1	39.5	10.5	0.0	33.8	33.9	33.8
Tunisia	578	20.6	0.1	15.1	51.0	13.3	0.0	20.7	15.5	25.9
Turkey	642	30.0	13.3	13.8	32.8	10.1	0.0	43.3	47.5	39.5
Ukraine	636	24.9	6.2	26.1	27.5	15.2	0.0	31.1	29.9	32.4
United States	1048	43.8	6.4	18.3	27.6	3.9	0.0	50.3	46.6	53.7
International Avg.	641	32.4	5.3	14.7	34.1	13.4	0.1	37.7	37.8	37.6
Basque Country, Spain	322	43.9	8.3	13.2	25.0	9.5	0.0	52.2	51.8	52.6
British Columbia, Canada	605	43.6	8.4	15.4	26.2	6.5	0.0	52.0	55.7	48.4
Dubai, UAE	457	37.5	7.6	16.3	25.9	12.7	0.0	45.1	41.5	48.8
Massachusetts, US	260	55.6	4.8	17.3	20.5	1.9	0.0	60.3	61.5	59.2
Minnesota, US	257	40.0	10.5	16.8	31.6	1.1	0.0	50.5	53.4	47.1
Ontario, Canada	491	50.2	7.0	15.4	22.9	4.6	0.0	57.2	55.1	59.3
Quebec, Canada	565	27.5	7.8	16.0	39.9	8.8	0.0	35.3	31.4	38.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042015 - S08_03)
 Label: Function of the cell membrane
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	20.1	25.0	27.4	19.7	20.1	7.7	0.0	20.3	19.9
Armenia	682	61.1	10.2	8.0	10.4	61.1	10.2	0.0	63.7	58.5
Australia	574	45.6	14.9	21.0	16.9	45.6	1.2	0.3	44.8	46.4
Bahrain	615	36.6	34.5	12.0	13.6	36.6	3.0	0.3	39.9	33.7
Bosnia and Herzegovina	603	55.7	19.8	14.6	6.3	55.7	3.7	0.0	55.4	55.9
Botswana	594	64.8	12.4	10.7	10.1	64.8	2.1	0.0	72.0	56.9
Bulgaria	442	61.2	13.5	12.4	10.4	61.2	2.4	0.2	64.6	58.2
Chinese Taipei	579	79.2	4.5	13.1	3.1	79.2	0.2	0.0	79.4	78.9
Colombia	692	45.1	30.0	14.8	8.0	45.1	1.9	0.1	40.2	49.7
Cyprus	623	47.3	20.3	12.0	19.1	47.3	1.2	0.0	51.0	43.6
Czech Republic	690	38.8	15.2	16.4	27.9	38.8	1.7	0.0	33.6	43.4
Egypt	931	64.8	10.6	13.7	10.0	64.8	0.8	0.1	68.9	60.8
El Salvador	576	36.3	23.7	25.5	12.1	36.3	2.4	0.0	35.0	37.6
England	571	63.0	10.9	13.3	11.9	63.0	0.8	0.0	66.0	60.5
Georgia	601	47.4	17.6	17.0	10.9	47.4	7.1	0.0	47.5	47.2
Ghana	761	36.1	27.9	20.2	12.6	36.1	2.8	0.3	41.4	31.5
Hong Kong SAR	495	47.1	21.0	21.1	9.6	47.1	1.0	0.2	42.9	51.3
Hungary	581	44.3	15.0	17.2	21.1	44.3	2.4	0.0	45.5	43.3
Indonesia	598	39.5	26.5	14.5	17.5	39.5	2.0	0.0	38.5	40.5
Iran, Islamic Rep. of	569	43.9	18.1	17.8	15.9	43.9	4.2	0.0	49.9	38.9
Israel	479	49.8	17.8	15.8	10.3	49.8	5.7	0.7	53.1	46.0
Italy	635	46.5	22.9	16.7	11.7	46.5	2.2	0.0	45.7	47.3
Japan	623	43.5	24.1	20.4	11.8	43.5	0.2	0.0	43.4	43.7
Jordan	736	38.5	15.3	19.9	23.7	38.5	2.5	0.0	38.7	38.4
Korea, Rep. of	610	61.3	14.7	8.9	15.1	61.3	0.0	0.0	64.4	58.4
Kuwait	590	44.2	27.9	9.6	15.6	44.2	2.0	0.6	49.5	38.1
Lebanon	527	36.2	17.4	24.7	16.3	36.2	5.4	0.0	40.3	31.3
Lithuania	573	61.5	12.0	14.0	11.6	61.5	1.0	0.0	63.4	59.7
Malaysia	635	51.7	18.4	17.7	11.5	51.7	0.7	0.1	57.1	45.5
Malta	661	53.5	20.9	15.8	8.3	53.5	1.5	0.0	59.2	47.6
Morocco	440	22.1	31.1	22.0	17.3	22.1	6.6	0.9	21.3	23.1
Norway	669	46.9	8.3	32.0	11.0	46.9	1.9	0.0	50.4	43.5
Oman	692	37.5	26.3	18.7	15.1	37.5	2.3	0.0	43.4	31.9
Palestinian Nat'l Auth.	618	45.1	21.1	17.8	14.4	45.1	1.7	0.0	53.8	36.3
Qatar	1019	32.7	24.4	22.7	18.2	32.7	2.1	0.0	35.3	30.0
Romania	597	35.8	18.3	19.3	23.8	35.8	2.8	0.0	38.2	33.6
Russian Federation	646	43.0	13.3	10.2	30.7	43.0	2.8	0.0	42.3	43.9
Saudi Arabia	603	31.3	30.3	20.7	16.8	31.3	0.9	0.0	30.9	31.7
Scotland	577	41.8	19.4	24.0	13.7	41.8	1.1	0.0	40.2	43.6
Serbia	580	64.9	13.6	10.8	7.2	64.9	3.2	0.3	67.3	62.7
Singapore	658	78.3	8.8	5.1	7.6	78.3	0.3	0.0	82.4	74.6
Slovenia	591	45.9	24.0	15.7	12.6	45.9	1.8	0.0	45.1	46.7
Sweden	745	30.7	33.9	24.0	9.9	30.7	1.5	0.0	31.4	30.0
Syrian Arab Republic	654	29.9	17.1	27.3	22.5	29.9	3.0	0.1	28.2	31.8
Thailand	770	62.6	8.4	19.7	8.6	62.6	0.7	0.0	66.6	58.7
Tunisia	578	35.1	20.5	18.5	19.0	35.1	6.9	0.0	36.1	34.1
Turkey	642	46.5	21.8	12.5	18.9	46.5	0.3	0.0	46.9	46.1
Ukraine	636	35.4	42.4	14.8	5.4	35.4	2.0	0.0	34.6	36.3
United States	1048	48.7	15.0	19.0	16.2	48.7	1.2	0.0	48.3	49.0
International Avg.	640	46.5	19.6	17.2	14.1	46.5	2.5	0.1	48.1	44.9
Basque Country, Spain	322	38.5	26.9	17.9	12.5	38.5	4.1	0.0	34.5	42.4
British Columbia, Canada	605	60.0	7.9	14.8	16.4	60.0	0.8	0.0	59.5	60.5
Dubai, UAE	456	54.9	16.8	13.3	12.7	54.9	2.3	0.0	54.2	55.6
Massachusetts, US	260	63.5	7.7	15.9	11.9	63.5	1.1	0.0	62.3	64.6
Minnesota, US	257	54.7	13.1	17.7	14.0	54.7	0.6	0.0	58.1	50.8
Ontario, Canada	491	57.3	12.1	12.7	17.5	57.3	0.4	0.0	58.1	56.5
Quebec, Canada	565	54.2	9.9	21.9	12.8	54.2	1.2	0.0	56.4	52.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042309 - S08_04)
 Label: Giraffes with short and long necks
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	45.3	20.9	14.6	13.8	45.3	5.3	0.1	47.1	43.5
Armenia	683	43.2	29.2	8.1	8.0	43.2	11.5	0.0	47.7	38.5
Australia	574	55.7	17.7	13.7	10.8	55.7	1.9	0.3	51.8	59.4
Bahrain	615	48.3	15.7	18.9	14.1	48.3	2.7	0.3	52.4	44.5
Bosnia and Herzegovina	603	37.9	35.9	14.5	7.5	37.9	4.1	0.0	42.7	33.3
Botswana	594	31.7	40.2	12.9	11.6	31.7	3.6	0.0	31.6	31.8
Bulgaria	442	48.6	22.3	15.0	10.4	48.6	3.5	0.2	54.6	43.5
Chinese Taipei	579	61.0	32.4	1.8	4.7	61.0	0.2	0.0	64.2	57.9
Colombia	692	35.1	35.7	11.9	16.2	35.1	1.0	0.1	37.1	33.2
Cyprus	623	43.8	18.6	20.2	16.3	43.8	1.1	0.0	45.5	42.1
Czech Republic	690	44.0	35.0	14.5	5.7	44.0	0.7	0.0	43.2	44.8
Egypt	934	43.6	16.1	21.5	16.6	43.6	2.1	0.1	48.7	38.8
El Salvador	576	44.2	20.7	10.3	23.2	44.2	1.6	0.0	44.2	44.1
England	571	53.5	16.2	16.1	13.5	53.5	0.7	0.0	52.5	54.3
Georgia	601	44.0	24.7	11.2	12.8	44.0	7.2	0.0	46.6	41.3
Ghana	761	33.1	33.4	19.3	10.9	33.1	2.9	0.3	30.6	35.4
Hong Kong SAR	495	30.2	43.6	16.0	9.2	30.2	0.8	0.2	33.8	26.5
Hungary	581	66.6	14.9	14.6	2.7	66.6	1.3	0.0	73.4	60.0
Indonesia	598	58.0	24.4	11.1	5.9	58.0	0.6	0.0	63.9	52.1
Iran, Islamic Rep. of	569	43.7	39.7	9.7	5.4	43.7	1.5	0.0	50.6	37.9
Israel	479	44.0	17.8	20.1	12.9	44.0	4.5	0.7	50.6	36.4
Italy	634	49.6	37.9	6.4	4.5	49.6	1.6	0.1	53.9	45.2
Japan	623	23.5	69.2	3.9	3.2	23.5	0.2	0.0	22.1	24.9
Jordan	736	53.5	17.4	16.6	11.1	53.5	1.4	0.0	62.1	45.6
Korea, Rep. of	.	.	.	.	.	.	.	.	.	.
Kuwait	590	45.1	17.6	17.3	15.5	45.1	3.8	0.6	51.3	38.1
Lebanon	528	31.2	15.5	25.1	22.1	31.2	6.2	0.0	33.7	28.2
Lithuania	574	55.8	25.9	11.3	5.5	55.8	1.5	0.0	62.6	49.4
Malaysia	635	50.1	25.2	16.1	7.1	50.1	1.4	0.1	49.5	50.8
Malta	658	42.8	23.6	15.7	15.6	42.8	2.3	0.0	45.9	39.6
Morocco	440	54.3	14.4	14.7	11.8	54.3	3.9	0.9	58.9	49.0
Norway	669	47.8	25.2	17.8	7.9	47.8	1.3	0.0	49.8	45.9
Oman	692	45.4	19.2	15.0	16.5	45.4	4.0	0.0	48.1	42.8
Palestinian Nat'l Auth.	618	40.0	15.3	23.5	19.7	40.0	1.5	0.0	43.4	36.6
Qatar	1019	31.3	19.1	25.3	21.0	31.3	3.3	0.0	33.9	28.6
Romania	597	47.3	23.1	17.1	10.9	47.3	1.6	0.0	52.6	42.5
Russian Federation	646	50.2	35.2	7.0	6.3	50.2	1.4	0.0	52.0	48.1
Saudi Arabia	602	42.3	17.7	22.4	15.8	42.3	1.8	0.0	48.8	36.3
Scotland	577	51.5	16.8	18.7	12.0	51.5	1.0	0.0	52.8	50.0
Serbia	.	.	.	.	.	.	.	.	.	.
Singapore	658	48.2	28.1	11.3	11.8	48.2	0.6	0.0	50.0	46.6
Slovenia	591	49.2	40.5	6.2	2.6	49.2	1.6	0.0	51.8	46.4
Sweden	744	47.1	25.8	17.9	7.7	47.1	1.4	0.0	47.6	46.6
Syrian Arab Republic	654	46.1	24.3	14.3	12.5	46.1	2.5	0.2	46.5	45.6
Thailand	.	.	.	.	.	.	.	.	.	.
Tunisia	578	54.7	11.8	16.9	11.4	54.7	5.2	0.0	57.3	52.0
Turkey	642	38.1	34.9	14.3	11.2	38.1	1.5	0.0	38.4	37.8
Ukraine	636	59.3	21.9	10.7	6.6	59.3	1.4	0.0	59.3	59.3
United States	1048	54.2	22.7	13.3	8.6	54.2	1.1	0.0	56.2	52.4
International Avg.	640	46.0	25.7	14.7	11.1	46.0	2.4	0.1	48.7	43.2
Basque Country, Spain	322	46.1	38.2	6.9	7.9	46.1	0.8	0.0	46.0	46.2
British Columbia, Canada	605	49.9	22.0	17.0	9.5	49.9	1.7	0.0	52.0	47.9
Dubai, UAE	456	52.5	16.2	13.7	13.6	52.5	4.0	0.0	52.2	52.9
Massachusetts, US	260	62.3	23.1	8.7	4.8	62.3	1.1	0.0	62.1	62.5
Minnesota, US	257	50.1	21.3	15.8	12.6	50.1	0.3	0.0	54.7	44.7
Ontario, Canada	491	53.3	21.0	12.3	12.0	53.3	1.3	0.0	59.7	46.7
Quebec, Canada	565	49.7	32.6	10.6	6.4	49.7	0.6	0.0	51.5	48.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042049A - S08_05A)
 Label: Population of rabbits and lynxes
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	772	43.0	42.5	14.4	0.1	43.0	40.3	45.8
Armenia	682	66.2	13.5	19.9	0.4	66.2	62.0	70.5
Australia	574	74.8	20.7	4.3	0.3	74.8	77.2	72.5
Bahrain	615	64.4	23.8	11.5	0.3	64.4	75.5	54.4
Bosnia and Herzegovina	603	50.7	21.2	28.1	0.0	50.7	48.6	52.7
Botswana	594	43.7	52.0	4.4	0.0	43.7	47.0	40.1
Bulgaria	442	61.8	9.0	29.0	0.2	61.8	67.7	56.8
Chinese Taipei	579	70.5	20.4	9.2	0.0	70.5	71.0	70.0
Colombia	692	54.2	34.3	11.4	0.1	54.2	54.1	54.2
Cyprus	623	70.1	10.9	19.0	0.0	70.1	75.0	65.1
Czech Republic	690	73.7	15.6	10.7	0.0	73.7	75.4	72.2
Egypt	933	23.6	60.8	15.6	0.1	23.6	24.2	23.0
El Salvador	576	27.1	55.0	17.9	0.0	27.1	27.9	26.1
England	571	88.5	9.4	1.8	0.4	88.5	91.5	85.9
Georgia	600	43.0	14.7	42.3	0.0	43.0	43.9	42.1
Ghana	761	15.9	52.4	31.3	0.3	15.9	12.7	18.8
Hong Kong SAR	495	84.0	7.6	8.1	0.2	84.0	85.7	82.3
Hungary	581	84.9	10.7	4.4	0.0	84.9	86.5	83.4
Indonesia	598	45.6	43.5	10.8	0.0	45.6	48.9	42.3
Iran, Islamic Rep. of	569	42.3	37.0	20.8	0.0	42.3	44.6	40.3
Israel	479	67.4	18.1	13.9	0.7	67.4	72.4	61.6
Italy	635	70.8	10.3	18.4	0.4	70.8	74.2	67.4
Japan	623	94.6	1.7	3.8	0.0	94.6	94.8	94.4
Jordan	736	62.7	33.8	3.6	0.0	62.7	71.4	54.6
Korea, Rep. of	610	91.1	4.5	4.4	0.0	91.1	94.0	88.4
Kuwait	590	42.1	38.2	19.1	0.6	42.1	49.4	33.8
Lebanon	535	54.6	26.1	19.3	0.0	54.6	52.3	57.3
Lithuania	574	76.0	9.3	14.7	0.0	76.0	80.9	71.3
Malaysia	635	58.9	33.5	7.4	0.2	58.9	62.6	54.7
Malta	660	66.8	24.2	9.1	0.0	66.8	69.3	64.2
Morocco	440	34.4	47.1	17.7	0.9	34.4	35.3	33.3
Norway	669	68.8	20.9	10.3	0.0	68.8	73.8	63.8
Oman	691	47.5	45.0	7.5	0.0	47.5	57.0	38.3
Palestinian Nat'l Auth.	618	36.3	52.7	11.0	0.0	36.3	39.5	33.0
Qatar	1019	25.6	50.7	23.7	0.1	25.6	30.6	20.4
Romania	597	66.3	16.1	17.6	0.0	66.3	70.4	62.7
Russian Federation	646	60.7	22.9	16.5	0.0	60.7	63.2	57.8
Saudi Arabia	603	31.9	51.0	17.2	0.0	31.9	35.9	28.2
Scotland	577	81.9	14.4	3.7	0.0	81.9	81.4	82.6
Serbia	583	56.0	14.4	29.1	0.4	56.0	59.6	52.6
Singapore	658	85.3	11.0	3.7	0.0	85.3	87.4	83.3
Slovenia	591	82.5	14.0	3.4	0.0	82.5	86.8	78.2
Sweden	745	82.7	8.8	8.5	0.0	82.7	87.3	78.8
Syrian Arab Republic	654	39.5	39.6	20.7	0.2	39.5	36.0	43.5
Thailand	770	55.0	32.5	12.5	0.0	55.0	62.4	47.7
Tunisia	578	64.9	28.0	7.1	0.0	64.9	61.2	68.5
Turkey	642	65.8	23.4	10.8	0.0	65.8	64.9	66.6
Ukraine	636	52.1	29.1	18.8	0.0	52.1	57.2	46.3
United States	1048	84.9	12.8	2.3	0.0	84.9	87.1	82.7
International Avg.	641	59.9	26.3	13.7	0.1	59.9	62.4	57.4
Basque Country, Spain	322	81.9	8.8	9.3	0.0	81.9	89.5	74.7
British Columbia, Canada	605	84.0	11.4	4.5	0.0	84.0	87.2	81.0
Dubai, UAE	457	74.9	16.1	8.8	0.2	74.9	76.2	73.6
Massachusetts, US	260	90.8	7.6	1.6	0.0	90.8	95.0	86.5
Minnesota, US	257	88.6	10.0	1.4	0.0	88.6	92.5	84.2
Ontario, Canada	491	90.5	7.3	2.1	0.0	90.5	91.2	89.8
Quebec, Canada	565	70.8	21.5	7.6	0.0	70.8	73.1	68.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S042049B - S08_05B)
 Label: Number of lynxes in 1996 vs 2004
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	772	11.2	57.6	30.8	0.3	11.2	10.6	11.9
Armenia	683	28.6	27.0	44.0	0.4	28.6	25.1	32.2
Australia	574	60.6	29.4	9.8	0.3	60.6	59.5	61.6
Bahrain	615	35.6	46.2	17.9	0.3	35.6	41.1	30.6
Bosnia and Herzegovina	603	29.8	25.9	44.3	0.0	29.8	27.6	31.9
Botswana	594	7.3	82.5	10.0	0.2	7.3	6.9	7.7
Bulgaria	442	38.9	19.4	41.4	0.3	38.9	41.0	37.1
Chinese Taipei	579	68.8	18.6	12.6	0.0	68.8	68.0	69.6
Colombia	692	30.8	53.8	15.2	0.1	30.8	24.6	36.9
Cyprus	623	35.1	35.1	29.7	0.0	35.1	38.8	31.4
Czech Republic	690	61.2	20.9	18.0	0.0	61.2	60.1	62.2
Egypt	933	10.9	57.6	31.5	0.1	10.9	13.4	8.6
El Salvador	576	17.3	48.7	34.1	0.0	17.3	13.7	21.2
England	571	68.7	22.7	8.2	0.4	68.7	69.1	68.4
Georgia	600	33.8	17.0	49.2	0.0	33.8	28.8	39.3
Ghana	761	3.4	47.7	48.6	0.3	3.4	2.2	4.4
Hong Kong SAR	495	65.3	21.4	13.1	0.2	65.3	67.1	63.5
Hungary	581	70.9	15.4	13.7	0.0	70.9	69.2	72.5
Indonesia	598	19.8	57.9	22.3	0.0	19.8	19.0	20.6
Iran, Islamic Rep. of	569	28.3	40.0	31.7	0.0	28.3	29.6	27.2
Israel	479	30.2	38.4	30.7	0.7	30.2	29.5	31.1
Italy	635	44.3	20.3	35.0	0.4	44.3	44.1	44.5
Japan	623	63.3	26.7	10.0	0.0	63.3	65.8	60.7
Jordan	736	37.4	47.7	14.9	0.0	37.4	45.5	30.0
Korea, Rep. of	610	46.8	43.1	9.9	0.2	46.8	42.8	50.6
Kuwait	590	19.3	45.4	34.6	0.7	19.3	20.8	17.6
Lebanon	535	19.4	45.8	34.9	0.0	19.4	19.3	19.5
Lithuania	574	64.4	16.2	19.4	0.0	64.4	67.4	61.6
Malaysia	635	39.5	46.8	13.5	0.2	39.5	40.2	38.7
Malta	660	42.5	38.0	19.4	0.0	42.5	42.8	42.3
Morocco	439	14.5	45.0	39.6	0.9	14.5	14.2	14.9
Norway	669	44.4	34.6	21.0	0.0	44.4	45.2	43.6
Oman	691	25.0	57.6	17.4	0.0	25.0	29.3	20.8
Palestinian Nat'l Auth.	618	12.8	62.3	24.9	0.0	12.8	15.7	9.8
Qatar	1019	8.2	52.6	39.0	0.2	8.2	10.0	6.3
Romania	597	43.0	24.1	32.9	0.0	43.0	40.9	44.8
Russian Federation	646	55.2	14.7	30.1	0.0	55.2	53.4	57.1
Saudi Arabia	603	15.2	56.7	28.1	0.0	15.2	16.8	13.8
Scotland	577	55.9	31.1	12.9	0.1	55.9	53.3	58.8
Serbia	583	32.7	26.7	40.2	0.4	32.7	32.1	33.3
Singapore	658	68.5	24.9	6.7	0.0	68.5	71.9	65.5
Slovenia	591	64.8	25.8	9.3	0.0	64.8	66.8	62.8
Sweden	745	64.3	19.0	16.7	0.0	64.3	68.6	60.6
Syrian Arab Republic	654	19.1	39.2	41.4	0.2	19.1	15.7	22.9
Thailand	770	25.8	54.2	20.0	0.0	25.8	26.2	25.4
Tunisia	578	26.9	57.2	15.9	0.0	26.9	19.0	34.6
Turkey	642	41.8	34.8	23.4	0.0	41.8	40.6	42.9
Ukraine	636	38.9	29.1	31.7	0.3	38.9	39.2	38.6
United States	1048	60.7	34.3	5.0	0.0	60.7	58.0	63.2
International Avg.	641	37.8	37.5	24.6	0.1	37.8	37.8	37.9
Basque Country, Spain	322	55.5	27.8	16.7	0.0	55.5	55.9	55.0
British Columbia, Canada	605	74.3	18.1	7.5	0.1	74.3	75.2	73.5
Dubai, UAE	457	45.4	36.9	17.1	0.6	45.4	53.1	37.5
Massachusetts, US	260	71.3	25.5	3.2	0.0	71.3	72.3	70.3
Minnesota, US	257	66.2	32.4	1.4	0.0	66.2	69.1	62.8
Ontario, Canada	491	75.9	17.8	6.3	0.0	75.9	75.9	75.9
Quebec, Canada	565	64.6	19.9	15.6	0.0	64.6	64.2	64.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S042182 - S08_06)
 Label: Type of energy in compressed spring
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	34.1	18.1	32.3	34.1	11.1	4.1	0.3	29.8	38.5
Armenia	680	80.6	3.4	7.1	80.6	1.3	7.3	0.4	76.2	85.1
Australia	574	75.5	13.3	8.7	75.5	1.0	1.2	0.3	72.9	78.0
Bahrain	614	54.3	11.6	26.2	54.3	5.7	1.8	0.3	55.5	53.3
Bosnia and Herzegovina	603	69.0	9.4	16.4	69.0	3.0	2.3	0.0	68.7	69.3
Botswana	597	49.7	16.0	21.9	49.7	10.9	1.3	0.2	48.3	51.1
Bulgaria	442	71.2	13.6	10.9	71.2	2.7	1.4	0.3	69.3	72.7
Chinese Taipei	579	68.6	12.4	7.6	68.6	10.9	0.5	0.0	63.5	73.5
Colombia	692	63.4	18.1	10.1	63.4	6.5	1.9	0.1	59.8	66.8
Cyprus	623	86.8	4.5	5.2	86.8	2.8	0.7	0.0	86.7	87.0
Czech Republic	690	87.2	6.5	3.7	87.2	1.9	0.6	0.0	84.1	90.0
Egypt	933	50.9	26.0	17.2	50.9	4.8	0.9	0.2	52.5	49.4
El Salvador	576	61.2	19.2	10.5	61.2	8.5	0.6	0.0	55.9	67.1
England	571	74.6	13.1	8.9	74.6	2.8	0.3	0.4	75.6	73.7
Georgia	601	72.7	11.0	7.1	72.7	4.9	4.3	0.0	70.8	74.7
Ghana	761	31.0	16.1	33.0	31.0	17.5	2.1	0.3	28.3	33.4
Hong Kong SAR	495	78.8	5.6	4.5	78.8	10.7	0.2	0.2	76.2	81.4
Hungary	581	87.9	4.1	5.4	87.9	2.4	0.2	0.0	86.1	89.6
Indonesia	598	74.6	9.7	8.9	74.6	6.1	0.8	0.0	71.4	77.8
Iran, Islamic Rep. of	568	76.5	4.0	14.2	76.5	5.2	0.1	0.0	76.1	76.9
Israel	479	48.5	18.5	11.3	48.5	17.2	3.7	0.7	44.4	53.2
Italy	635	86.7	4.1	3.8	86.7	3.8	1.3	0.4	87.0	86.4
Japan	623	46.0	28.6	16.0	46.0	8.9	0.5	0.0	39.1	53.0
Jordan	736	62.5	14.1	12.6	62.5	9.2	1.6	0.0	64.4	60.8
Korea, Rep. of	610	72.8	16.7	5.5	72.8	4.8	0.0	0.2	67.6	77.7
Kuwait	592	64.8	12.3	13.6	64.8	6.6	2.1	0.7	68.3	60.8
Lebanon	527	67.6	13.1	10.6	67.6	6.1	2.7	0.0	66.0	69.5
Lithuania	574	82.3	5.6	4.4	82.3	7.6	0.2	0.0	82.9	81.7
Malaysia	635	77.1	9.6	7.0	77.1	5.7	0.3	0.2	75.0	79.6
Malta	661	65.4	18.6	6.3	65.4	8.2	1.5	0.0	62.5	68.4
Morocco	438	41.0	19.5	28.6	41.0	7.2	2.7	1.0	41.4	40.5
Norway	669	48.6	16.8	16.5	48.6	16.1	1.9	0.0	42.2	55.0
Oman	691	41.0	30.3	12.8	41.0	14.0	2.0	0.0	41.9	40.1
Palestinian Nat'l Auth.	617	51.6	23.4	16.3	51.6	8.4	0.4	0.0	49.6	53.6
Qatar	1019	51.6	14.5	24.1	51.6	8.3	1.4	0.2	59.3	43.6
Romania	597	63.1	15.2	17.1	63.1	3.4	1.4	0.0	57.9	67.7
Russian Federation	646	75.0	12.6	7.6	75.0	4.2	0.7	0.0	73.4	76.7
Saudi Arabia	603	37.2	21.5	26.9	37.2	13.3	1.2	0.0	36.4	38.0
Scotland	577	70.1	17.6	8.5	70.1	3.0	0.7	0.1	66.4	74.2
Serbia	582	56.7	16.6	20.7	56.7	2.2	3.4	0.4	50.4	62.8
Singapore	658	85.1	8.6	4.3	85.1	1.6	0.4	0.0	84.1	86.0
Slovenia	591	82.7	12.0	2.8	82.7	2.0	0.6	0.0	80.7	84.7
Sweden	745	43.4	35.6	11.5	43.4	8.0	1.5	0.0	44.6	42.4
Syrian Arab Republic	654	56.3	14.3	14.1	56.3	14.5	0.5	0.2	52.9	60.2
Thailand	770	71.7	13.9	8.4	71.7	4.9	1.2	0.0	77.5	66.0
Tunisia	578	55.2	19.6	15.0	55.2	8.6	1.6	0.0	47.5	62.8
Turkey	642	57.2	14.4	9.4	57.2	17.7	1.2	0.0	55.9	58.3
Ukraine	636	58.6	20.1	16.9	58.6	3.5	0.6	0.3	61.0	56.0
United States	1048	77.8	12.8	6.3	77.8	2.3	0.8	0.0	70.6	84.5
International Avg.	641	64.2	14.6	12.6	64.2	7.0	1.4	0.2	62.4	66.0
Basque Country, Spain	322	82.8	6.6	6.3	82.8	3.9	0.5	0.0	81.0	84.5
British Columbia, Canada	605	62.5	20.2	12.5	62.5	2.9	1.8	0.1	54.8	69.6
Dubai, UAE	456	72.6	13.0	10.6	72.6	2.3	1.3	0.2	72.6	72.6
Massachusetts, US	260	84.5	10.0	4.0	84.5	0.8	0.7	0.0	80.4	88.6
Minnesota, US	257	70.8	18.9	9.3	70.8	0.6	0.4	0.0	68.6	73.2
Ontario, Canada	491	73.6	14.0	8.5	73.6	3.8	0.0	0.0	68.0	79.5
Quebec, Canada	565	68.4	20.7	9.0	68.4	1.2	0.7	0.0	63.0	73.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042402 - S08_07)
 Label: Heat flow in metal cubes
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	753	20.1	21.0	53.4	5.2	0.3	20.1	22.3	17.7
Armenia	680	39.0	45.0	14.8	0.9	0.4	39.0	39.6	38.4
Australia	574	16.3	63.8	18.3	1.1	0.5	16.3	17.2	15.4
Bahrain	614	19.3	48.3	28.1	4.0	0.3	19.3	25.6	13.6
Bosnia and Herzegovina	603	18.8	45.5	30.6	5.1	0.0	18.8	15.7	21.7
Botswana	597	4.2	56.1	38.0	1.6	0.2	4.2	3.9	4.5
Bulgaria	442	35.0	28.2	30.6	5.8	0.3	35.0	39.4	31.3
Chinese Taipei	579	61.0	21.6	16.9	0.5	0.0	61.0	63.5	58.6
Colombia	692	10.5	56.2	29.2	4.0	0.1	10.5	6.9	14.0
Cyprus	623	36.2	36.8	23.5	3.5	0.0	36.2	39.7	32.7
Czech Republic	690	32.3	44.7	21.0	2.0	0.0	32.3	32.0	32.6
Egypt	934	12.7	40.0	41.5	5.6	0.2	12.7	11.5	13.7
El Salvador	576	8.4	65.0	21.6	4.9	0.0	8.4	8.6	8.2
England	571	18.6	57.0	22.1	1.9	0.4	18.6	17.6	19.4
Georgia	601	13.8	49.4	23.2	13.6	0.0	13.8	15.4	12.1
Ghana	761	4.1	42.3	34.8	18.4	0.3	4.1	4.7	3.6
Hong Kong SAR	495	17.9	47.9	32.7	1.2	0.2	17.9	16.3	19.7
Hungary	581	27.6	49.3	20.9	2.2	0.0	27.6	27.7	27.6
Indonesia	598	17.2	56.7	22.6	3.5	0.0	17.2	18.0	16.3
Iran, Islamic Rep. of	568	16.7	58.8	22.0	2.5	0.0	16.7	18.4	15.2
Israel	479	17.2	46.1	30.2	5.8	0.7	17.2	18.9	15.3
Italy	635	13.1	56.5	26.3	3.6	0.4	13.1	14.6	11.6
Japan	623	27.2	34.6	37.4	0.8	0.0	27.2	26.6	27.8
Jordan	736	12.8	51.9	33.7	1.6	0.0	12.8	16.0	9.9
Korea, Rep. of	610	32.8	33.0	32.4	1.6	0.2	32.8	33.2	32.4
Kuwait	592	9.3	50.3	34.4	5.2	0.7	9.3	12.5	5.6
Lebanon	535	15.0	54.1	25.2	5.7	0.0	15.0	14.3	15.8
Lithuania	574	18.7	58.3	20.9	2.0	0.0	18.7	18.5	18.9
Malaysia	635	15.9	52.6	28.6	2.7	0.2	15.9	17.0	14.6
Malta	660	9.4	56.7	31.5	2.3	0.0	9.4	9.1	9.8
Morocco	440	30.5	52.9	11.8	3.6	1.0	30.5	29.6	31.7
Norway	669	13.3	63.4	21.5	1.8	0.0	13.3	12.7	14.0
Oman	691	26.6	47.4	23.1	2.8	0.0	26.6	33.9	19.5
Palestinian Nat'l Auth.	617	19.0	46.9	30.5	3.5	0.0	19.0	21.5	16.5
Qatar	1019	3.8	53.2	36.5	6.3	0.2	3.8	5.2	2.4
Romania	597	18.5	42.7	35.3	3.5	0.0	18.5	22.8	14.6
Russian Federation	646	32.9	29.8	35.5	1.7	0.0	32.9	32.9	32.9
Saudi Arabia	603	11.7	47.7	36.6	4.0	0.0	11.7	14.6	9.1
Scotland	577	9.5	66.7	21.9	1.4	0.5	9.5	9.3	9.7
Serbia	581	12.8	54.0	24.3	8.4	0.4	12.8	12.9	12.8
Singapore	658	37.8	38.0	24.1	0.1	0.0	37.8	39.2	36.5
Slovenia	591	28.4	40.1	29.3	2.3	0.0	28.4	26.8	30.0
Sweden	745	10.9	68.5	18.6	2.1	0.0	10.9	10.6	11.1
Syrian Arab Republic	654	11.8	50.2	31.8	6.0	0.2	11.8	11.5	12.0
Thailand	770	29.8	45.4	18.8	5.9	0.1	29.8	31.1	28.5
Tunisia	578	9.6	54.5	32.6	3.4	0.0	9.6	8.1	11.0
Turkey	642	23.2	38.0	34.1	4.7	0.0	23.2	25.1	21.4
Ukraine	636	36.3	37.1	25.4	0.9	0.3	36.3	39.3	32.8
United States	1048	13.9	63.6	21.4	1.1	0.0	13.9	11.6	16.0
International Avg.	640	20.0	48.3	27.8	3.7	0.2	20.0	20.9	19.2
Basque Country, Spain	322	26.2	41.6	31.0	1.2	0.0	26.2	25.1	27.2
British Columbia, Canada	605	18.8	60.2	18.1	2.8	0.1	18.8	19.9	17.7
Dubai, UAE	457	20.0	44.5	31.6	3.2	0.6	20.0	21.1	18.8
Massachusetts, US	260	25.3	52.1	22.6	0.0	0.0	25.3	23.6	26.9
Minnesota, US	257	16.9	65.8	16.9	0.4	0.0	16.9	16.2	17.7
Ontario, Canada	491	17.8	64.9	16.1	1.3	0.0	17.8	16.3	19.3
Quebec, Canada	565	14.8	63.5	20.1	1.6	0.0	14.8	11.6	17.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Reasoning (S042228A - S08_08A)
 Label: Volume of the neck chain
 Type: CR Key: -

COUNTRY	N	10	11	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	762	0.6	1.8	63.9	33.2	0.5	2.4	1.1	3.8
Armenia	683	17.7	2.6	32.7	46.7	0.4	20.2	23.7	16.7
Australia	574	20.0	1.4	50.3	27.8	0.5	21.4	18.5	24.2
Bahrain	614	12.5	12.6	48.0	26.6	0.3	25.1	38.8	12.7
Bosnia and Herzegovina	603	6.7	1.5	23.0	68.8	0.0	8.2	7.3	9.0
Botswana	597	3.5	0.7	79.2	16.4	0.2	4.2	4.4	4.0
Bulgaria	442	13.1	4.9	19.3	62.1	0.6	18.1	21.5	15.1
Chinese Taipei	579	14.2	38.5	24.9	22.4	0.0	52.7	58.0	47.7
Colombia	692	5.3	1.6	63.5	29.5	0.1	6.9	4.3	9.3
Cyprus	623	21.0	0.5	27.3	51.3	0.0	21.5	22.4	20.5
Czech Republic	690	32.2	2.3	29.0	36.5	0.0	34.5	36.5	32.7
Egypt	934	4.0	2.4	63.4	30.1	0.2	6.4	7.4	5.5
El Salvador	576	0.8	1.9	59.5	37.7	0.0	2.8	3.0	2.5
England	571	9.0	3.7	69.4	17.3	0.6	12.7	10.9	14.3
Georgia	601	5.4	1.8	20.6	72.1	0.1	7.2	9.1	5.2
Ghana	761	1.5	0.2	48.0	50.0	0.3	1.7	1.0	2.3
Hong Kong SAR	495	25.7	17.1	34.4	22.7	0.2	42.8	43.6	42.0
Hungary	581	12.3	5.6	39.9	42.2	0.0	17.9	15.4	20.2
Indonesia	598	3.4	0.8	63.2	32.4	0.2	4.3	4.5	4.0
Iran, Islamic Rep. of	568	7.6	2.2	44.3	45.9	0.0	9.9	11.2	8.7
Israel	479	23.6	1.5	35.1	38.8	1.0	25.1	27.8	22.1
Italy	635	13.5	0.3	52.0	33.7	0.6	13.8	14.1	13.5
Japan	623	35.2	5.9	49.9	9.0	0.0	41.1	39.0	43.2
Jordan	736	20.0	5.1	52.6	22.3	0.0	25.0	34.5	16.3
Korea, Rep. of	610	27.5	8.1	53.1	11.1	0.2	35.6	41.8	30.0
Kuwait	592	7.8	1.9	49.8	39.8	0.7	9.7	13.7	5.2
Lebanon	535	10.4	0.7	37.0	51.9	0.0	11.1	12.5	9.5
Lithuania	574	26.1	1.4	30.7	41.7	0.0	27.6	28.4	26.7
Malaysia	635	5.6	1.4	75.6	17.1	0.3	7.0	9.0	4.7
Malta	661	21.8	1.0	54.1	23.1	0.0	22.8	26.5	19.0
Morocco	440	4.2	0.0	41.4	53.4	1.0	4.2	3.8	4.7
Norway	669	17.7	1.4	48.7	32.2	0.0	19.1	17.2	20.9
Oman	692	3.5	3.3	71.8	21.4	0.0	6.8	10.8	3.0
Palestinian Nat'l Auth.	618	2.2	1.4	65.2	31.2	0.0	3.6	6.4	0.7
Qatar	1019	0.6	0.2	50.6	48.5	0.2	0.8	1.1	0.4
Romania	597	13.6	2.8	30.4	53.3	0.0	16.3	16.6	16.1
Russian Federation	646	16.9	5.8	38.7	38.7	0.0	22.7	24.0	21.2
Saudi Arabia	603	6.3	1.6	62.9	29.0	0.3	7.9	11.9	4.2
Scotland	577	12.1	1.0	49.4	37.1	0.5	13.0	13.2	12.8
Serbia	583	8.2	2.4	18.5	70.5	0.4	10.6	9.9	11.4
Singapore	658	39.6	3.8	42.0	14.7	0.0	43.4	46.8	40.4
Slovenia	591	17.7	1.5	59.7	21.1	0.0	19.1	17.7	20.6
Sweden	745	17.4	2.7	39.4	40.5	0.0	20.1	21.0	19.3
Syrian Arab Republic	654	2.1	0.2	56.5	41.0	0.2	2.2	1.8	2.7
Thailand	770	2.8	5.6	62.4	29.0	0.1	8.5	10.0	6.9
Tunisia	578	17.2	3.7	62.1	17.0	0.0	20.9	17.5	24.3
Turkey	642	10.8	5.5	50.9	32.7	0.0	16.3	19.8	13.2
Ukraine	636	21.4	10.4	27.7	40.2	0.3	31.8	33.5	29.8
United States	1048	17.9	1.1	68.1	12.9	0.0	19.0	17.2	20.7
International Avg.	641	13.1	3.8	47.8	35.2	0.2	16.9	18.2	15.6
Basque Country, Spain	322	18.0	1.2	46.8	33.9	0.2	19.1	21.0	17.4
British Columbia, Canada	605	29.1	3.5	49.3	18.0	0.1	32.6	31.7	33.4
Dubai, UAE	457	11.7	4.3	52.7	30.7	0.6	16.0	12.5	19.6
Massachusetts, US	260	39.6	3.4	50.4	6.6	0.0	43.0	44.7	41.3
Minnesota, US	257	26.1	2.6	63.7	7.6	0.0	28.7	30.2	26.9
Ontario, Canada	491	18.1	3.4	62.1	16.4	0.0	21.5	20.7	22.3
Quebec, Canada	564	18.3	1.2	56.9	23.4	0.2	19.5	22.8	16.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Reasoning (S042228B - S08_08B)
 Label: Complete table 3 with percent gold
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	692	23.2	39.5	36.5	0.8	23.2	28.2	18.2
Armenia	682	27.1	27.2	45.4	0.4	27.1	28.5	25.6
Australia	574	70.3	13.4	15.8	0.5	70.3	71.9	68.7
Bahrain	614	34.8	42.0	22.5	0.6	34.8	43.0	27.4
Bosnia and Herzegovina	603	34.2	13.3	52.5	0.0	34.2	31.8	36.5
Botswana	597	29.1	49.0	21.7	0.2	29.1	32.7	25.3
Bulgaria	442	41.7	9.1	48.7	0.6	41.7	51.7	33.1
Chinese Taipei	578	73.2	11.8	15.0	0.0	73.2	80.1	66.6
Colombia	692	33.4	33.0	32.9	0.6	33.4	35.5	31.5
Cyprus	623	37.2	20.7	41.9	0.2	37.2	42.2	32.2
Czech Republic	690	73.8	8.9	17.2	0.0	73.8	74.9	72.9
Egypt	934	19.3	47.6	32.9	0.2	19.3	21.9	16.9
El Salvador	576	19.5	34.5	45.5	0.6	19.5	22.1	16.6
England	571	78.2	13.8	7.4	0.6	78.2	79.0	77.5
Georgia	600	10.5	7.0	81.9	0.6	10.5	12.0	8.8
Ghana	761	9.4	42.3	47.9	0.4	9.4	9.4	9.5
Hong Kong SAR	495	67.4	16.2	16.2	0.2	67.4	75.7	58.8
Hungary	581	71.7	14.8	13.5	0.0	71.7	74.7	68.8
Indonesia	596	32.2	29.1	38.4	0.4	32.2	36.5	27.7
Iran, Islamic Rep. of	568	39.3	30.0	30.7	0.0	39.3	41.1	37.7
Israel	479	47.8	15.5	35.5	1.2	47.8	51.4	43.8
Italy	635	53.9	14.8	30.7	0.6	53.9	52.2	55.8
Japan	623	75.0	15.8	9.1	0.0	75.0	78.4	71.6
Jordan	736	36.7	43.3	19.9	0.0	36.7	43.3	30.7
Korea, Rep. of	610	84.2	8.0	7.7	0.2	84.2	87.0	81.6
Kuwait	592	24.4	41.8	33.2	0.7	24.4	30.3	17.5
Lebanon	535	29.1	19.3	51.7	0.0	29.1	30.3	27.6
Lithuania	574	59.8	16.0	24.2	0.0	59.8	65.1	54.9
Malaysia	635	59.0	29.9	10.6	0.4	59.0	63.8	53.5
Malta	660	56.9	20.9	22.2	0.0	56.9	61.8	51.9
Morocco	440	20.4	34.4	43.9	1.3	20.4	21.9	18.6
Norway	669	57.3	14.8	27.8	0.0	57.3	59.6	55.1
Oman	692	21.9	56.6	21.5	0.0	21.9	28.7	15.3
Palestinian Nat'l Auth.	618	20.7	57.4	21.9	0.0	20.7	25.3	16.0
Qatar	1019	7.5	49.6	42.6	0.3	7.5	9.0	6.0
Romania	597	43.9	16.3	39.6	0.2	43.9	51.6	37.0
Russian Federation	646	62.8	10.0	26.8	0.3	62.8	61.1	64.8
Saudi Arabia	603	18.7	56.2	24.6	0.4	18.7	24.0	13.9
Scotland	577	70.0	10.5	19.0	0.5	70.0	70.4	69.5
Serbia	582	36.5	9.3	53.8	0.4	36.5	39.9	33.2
Singapore	658	77.4	15.3	7.1	0.1	77.4	81.4	73.9
Slovenia	591	72.0	17.2	10.7	0.0	72.0	74.2	69.9
Sweden	745	60.5	10.9	28.5	0.0	60.5	64.8	56.9
Syrian Arab Republic	654	16.5	39.9	43.3	0.4	16.5	18.6	14.0
Thailand	770	45.1	17.6	37.2	0.1	45.1	52.2	38.0
Tunisia	578	35.7	40.3	24.0	0.0	35.7	30.5	40.8
Turkey	642	34.5	22.4	43.0	0.0	34.5	39.6	30.0
Ukraine	636	55.3	15.7	28.7	0.3	55.3	60.5	49.5
United States	1048	69.4	15.8	14.7	0.2	69.4	71.9	67.0
International Avg.	639	44.5	25.3	30.0	0.3	44.5	47.8	41.2
Basque Country, Spain	322	50.2	16.7	32.9	0.2	50.2	49.3	51.1
British Columbia, Canada	605	69.5	14.1	16.2	0.1	69.5	70.9	68.3
Dubai, UAE	457	54.6	20.5	23.8	1.0	54.6	58.7	50.5
Massachusetts, US	260	74.9	16.7	8.1	0.4	74.9	74.4	75.3
Minnesota, US	257	77.9	13.3	8.8	0.0	77.9	77.7	78.1
Ontario, Canada	491	68.2	18.4	13.3	0.0	68.2	71.8	64.5
Quebec, Canada	565	68.6	13.7	17.1	0.5	68.6	71.8	65.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S042228C - S08_08C)
 Label: Neck chain with most gold
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	732	10.9	47.9	40.3	0.9	10.9	11.3	10.4
Armenia	683	23.0	40.8	35.8	0.4	23.0	22.8	23.1
Australia	574	49.1	37.6	12.8	0.5	49.1	47.4	50.8
Bahrain	614	13.4	61.8	24.2	0.6	13.4	17.1	10.0
Bosnia and Herzegovina	603	21.1	30.7	48.2	0.0	21.1	21.0	21.3
Botswana	597	4.0	88.9	6.9	0.2	4.0	4.1	3.9
Bulgaria	442	27.9	24.4	47.2	0.6	27.9	34.6	22.1
Chinese Taipei	577	58.2	31.9	9.8	0.1	58.2	64.9	51.7
Colombia	691	5.5	68.6	24.9	1.1	5.5	3.1	7.7
Cyprus	623	15.0	42.1	42.7	0.2	15.0	18.2	11.7
Czech Republic	683	55.2	26.6	18.2	0.0	55.2	57.6	53.0
Egypt	934	9.8	66.4	23.6	0.2	9.8	11.5	8.1
El Salvador	576	3.1	64.6	31.3	1.0	3.1	3.9	2.3
England	571	46.8	41.9	10.4	1.0	46.8	46.0	47.5
Georgia	600	5.4	26.6	67.3	0.6	5.4	6.2	4.6
Ghana	761	2.0	62.7	34.9	0.4	2.0	2.2	1.8
Hong Kong SAR	495	55.5	26.4	17.9	0.2	55.5	61.5	49.4
Hungary	581	49.6	31.4	19.0	0.0	49.6	51.1	48.2
Indonesia	597	12.6	69.2	17.8	0.4	12.6	15.8	9.4
Iran, Islamic Rep. of	568	13.4	51.2	35.4	0.0	13.4	14.6	12.4
Israel	479	29.3	32.4	37.0	1.2	29.3	30.7	27.8
Italy	634	24.0	43.6	31.9	0.6	24.0	22.1	25.9
Japan	623	66.3	25.3	8.3	0.0	66.3	68.9	63.7
Jordan	736	18.2	65.1	16.7	0.0	18.2	25.3	11.6
Korea, Rep. of	610	63.3	29.9	6.7	0.2	63.3	65.1	61.7
Kuwait	591	9.1	55.9	34.3	0.7	9.1	11.4	6.4
Lebanon	535	16.5	45.0	38.4	0.0	16.5	16.5	16.5
Lithuania	574	49.6	25.3	24.9	0.2	49.6	57.4	42.2
Malaysia	635	39.7	49.7	9.8	0.8	39.7	42.7	36.3
Malta	661	40.2	40.4	19.5	0.0	40.2	43.7	36.5
Morocco	440	15.3	40.7	42.7	1.3	15.3	16.6	13.8
Norway	669	32.2	47.8	20.0	0.0	32.2	29.9	34.5
Oman	690	11.0	72.4	16.6	0.0	11.0	16.0	6.2
Palestinian Nat'l Auth.	618	13.3	68.2	18.5	0.0	13.3	15.9	10.7
Qatar	1019	0.7	68.3	30.7	0.3	0.7	0.6	0.8
Romania	597	20.9	47.2	31.8	0.2	20.9	22.4	19.5
Russian Federation	646	46.6	30.4	22.6	0.3	46.6	48.6	44.3
Saudi Arabia	603	5.5	71.6	22.5	0.4	5.5	7.6	3.7
Scotland	577	44.5	37.2	17.8	0.5	44.5	47.0	41.6
Serbia	583	24.8	22.8	52.0	0.4	24.8	23.9	25.7
Singapore	658	61.1	30.0	8.7	0.1	61.1	67.0	55.8
Slovenia	591	36.3	51.5	12.2	0.0	36.3	36.7	35.9
Sweden	745	44.7	32.6	22.7	0.0	44.7	48.7	41.2
Syrian Arab Republic	654	3.7	55.1	40.8	0.4	3.7	3.7	3.8
Thailand	770	18.7	60.0	21.1	0.3	18.7	22.7	14.7
Tunisia	578	14.1	66.7	19.2	0.0	14.1	11.8	16.3
Turkey	642	15.3	61.9	22.9	0.0	15.3	20.0	11.0
Ukraine	636	34.1	41.7	23.9	0.3	34.1	38.2	29.5
United States	1048	57.6	34.4	7.7	0.3	57.6	60.2	55.2
International Avg.	640	27.3	46.8	25.5	0.3	27.3	29.3	25.4
Basque Country, Spain	322	30.3	36.7	32.8	0.2	30.3	31.9	28.9
British Columbia, Canada	605	58.0	27.6	14.2	0.1	58.0	57.7	58.4
Dubai, UAE	457	37.4	39.5	22.1	1.0	37.4	40.2	34.6
Massachusetts, US	260	70.3	23.6	5.7	0.4	70.3	72.8	67.8
Minnesota, US	257	69.8	25.0	5.2	0.0	69.8	74.6	64.2
Ontario, Canada	491	63.1	26.1	10.8	0.0	63.1	70.0	55.9
Quebec, Canada	565	56.2	25.2	17.9	0.7	56.2	61.2	51.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042126 - S08_09)
 Label: Gas increasing in atmosphere
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	47.3	47.3	13.3	26.4	6.0	5.7	1.4	48.9	45.6
Armenia	682	64.8	64.8	22.2	5.2	1.5	6.0	0.4	65.2	64.4
Australia	574	77.8	77.8	12.4	6.6	2.2	0.4	0.5	75.3	80.1
Bahrain	.	.	.	.	.	.	.	.	.	.
Bosnia and Herzegovina	603	64.6	64.6	24.2	6.0	2.8	2.4	0.0	63.2	65.9
Botswana	597	49.2	49.2	9.9	34.2	4.7	1.7	0.3	48.4	50.1
Bulgaria	442	60.6	60.6	24.1	11.1	0.8	2.9	0.6	59.1	61.8
Chinese Taipei	579	85.5	85.5	11.1	1.9	1.0	0.4	0.1	84.8	86.2
Colombia	692	66.3	66.3	14.7	12.6	2.4	2.6	1.4	61.7	70.8
Cyprus	623	77.3	77.3	11.8	7.0	2.3	1.4	0.2	81.4	73.2
Czech Republic	683	62.4	62.4	26.8	6.4	3.5	0.8	0.0	57.8	66.5
Egypt	.	.	.	.	.	.	.	.	.	.
El Salvador	576	66.7	66.7	15.2	10.9	3.7	2.4	1.1	68.2	65.0
England	571	87.0	87.0	7.1	2.3	2.2	0.5	1.0	85.1	88.6
Georgia	600	57.9	57.9	23.5	10.5	3.0	4.4	0.6	61.7	53.8
Ghana	761	42.2	42.2	14.7	34.4	5.2	3.1	0.5	44.9	39.7
Hong Kong SAR	495	89.6	89.6	5.7	3.0	0.8	0.6	0.4	90.7	88.4
Hungary	581	74.5	74.5	19.3	3.6	1.9	0.7	0.0	73.9	75.0
Indonesia	598	39.5	39.5	29.8	17.4	11.5	1.3	0.6	38.2	40.7
Iran, Islamic Rep. of	568	50.4	50.4	25.4	14.5	7.9	1.8	0.0	52.0	49.1
Israel	479	51.2	51.2	25.3	10.2	6.7	4.9	1.6	50.4	52.1
Italy	632	67.2	67.2	20.9	6.9	3.5	1.0	0.6	67.6	66.8
Japan	623	92.5	92.5	5.1	0.6	1.3	0.2	0.3	93.0	92.1
Jordan	736	45.1	45.1	41.5	8.8	3.5	1.0	0.0	46.0	44.3
Korea, Rep. of	610	72.4	72.4	20.9	4.3	1.9	0.3	0.2	72.4	72.4
Kuwait	.	.	.	.	.	.	.	.	.	.
Lebanon	530	51.4	51.4	29.8	12.6	4.8	1.4	0.0	46.1	57.4
Lithuania	573	50.9	50.9	37.9	5.2	5.1	0.9	0.2	40.2	60.9
Malaysia	635	64.8	64.8	20.4	8.7	4.5	0.5	1.2	67.2	61.9
Malta	661	74.7	74.7	14.2	6.7	3.0	1.4	0.0	74.9	74.4
Morocco	.	.	.	.	.	.	.	.	.	.
Norway	669	69.5	69.5	17.0	9.5	2.1	1.8	0.2	65.5	73.4
Oman	690	38.7	38.7	27.8	25.6	6.3	1.5	0.1	40.5	36.9
Palestinian Nat'l Auth.	.	.	.	.	.	.	.	.	.	.
Qatar	1019	39.9	39.9	23.1	23.3	10.6	2.8	0.3	45.2	34.5
Romania	597	67.0	67.0	18.5	10.6	2.2	1.5	0.2	67.9	66.2
Russian Federation	646	62.1	62.1	27.7	4.5	4.4	0.9	0.3	58.7	65.9
Saudi Arabia	.	.	.	.	.	.	.	.	.	.
Scotland	577	81.0	81.0	11.9	4.3	1.6	0.7	0.5	80.0	82.2
Serbia	582	60.3	60.3	26.3	9.7	2.5	0.8	0.4	59.1	61.4
Singapore	658	75.2	75.2	15.1	7.2	2.1	0.2	0.3	72.7	77.4
Slovenia	591	62.8	62.8	29.2	1.9	4.7	1.4	0.0	61.4	64.3
Sweden	745	81.4	81.4	12.5	2.0	3.1	1.0	0.0	77.0	85.2
Syrian Arab Republic	654	42.7	42.7	32.0	19.4	4.3	1.2	0.4	43.2	42.1
Thailand	770	65.2	65.2	16.1	11.6	6.4	0.1	0.4	67.4	63.1
Tunisia	578	47.7	47.7	24.4	14.2	11.2	2.1	0.3	50.8	44.6
Turkey	642	51.5	51.5	31.5	11.7	4.0	1.4	0.0	46.4	56.1
Ukraine	636	65.9	65.9	25.1	3.8	4.0	0.9	0.3	67.3	64.3
United States	1048	72.8	72.8	17.5	6.1	2.7	0.6	0.3	67.8	77.4
International Avg.	641	63.2	63.2	20.5	10.3	4.0	1.6	0.4	62.5	63.8
Basque Country, Spain	322	69.0	69.0	22.9	5.2	1.7	1.0	0.2	67.0	70.9
British Columbia, Canada	605	77.8	77.8	13.0	5.8	2.3	1.0	0.1	77.9	77.7
Dubai, UAE	456	64.1	64.1	23.5	5.8	3.2	2.9	0.6	69.3	58.6
Massachusetts, US	260	76.8	76.8	15.7	3.2	2.2	1.4	0.8	76.2	77.3
Minnesota, US	257	75.9	75.9	16.1	5.1	2.5	0.4	0.0	77.9	73.7
Ontario, Canada	491	77.5	77.5	11.5	8.1	1.7	1.2	0.0	72.9	82.2
Quebec, Canada	565	73.8	73.8	18.3	3.3	2.2	1.6	0.7	71.3	76.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S042210 - S08_10)
 Label: Mass/volume of frozen water
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	28.0	11.4	22.4	28.0	31.1	5.3	1.8	27.1	29.0
Armenia	682	22.8	52.0	7.8	22.8	11.4	5.7	0.4	22.6	23.0
Australia	574	39.6	9.7	37.2	39.6	12.6	0.5	0.5	37.2	41.9
Bahrain	615	39.9	10.4	35.7	39.9	11.1	2.3	0.6	41.9	38.1
Bosnia and Herzegovina	603	35.5	11.9	29.2	35.5	21.6	1.8	0.0	29.6	41.1
Botswana	.	.	.	.	.	.	.	.	.	.
Bulgaria	442	49.4	8.2	23.5	49.4	15.9	2.4	0.6	46.6	51.7
Chinese Taipei	579	49.3	9.8	12.9	49.3	26.8	1.1	0.1	49.6	49.0
Colombia	692	29.6	15.3	32.6	29.6	17.6	3.3	1.6	25.8	33.2
Cyprus	623	40.3	12.9	23.7	40.3	21.2	1.7	0.2	42.9	37.7
Czech Republic	690	52.8	5.2	28.5	52.8	12.7	0.7	0.0	46.0	58.9
Egypt	931	40.6	14.2	27.7	40.6	15.8	1.6	0.2	38.5	42.7
El Salvador	576	28.5	20.0	32.3	28.5	16.0	2.0	1.2	30.6	26.1
England	571	42.8	4.9	36.3	42.8	14.0	1.0	1.0	46.1	40.1
Georgia	601	40.3	16.2	21.8	40.3	18.1	3.0	0.6	39.1	41.7
Ghana	761	28.6	19.8	33.9	28.6	13.4	3.8	0.5	30.7	26.7
Hong Kong SAR	495	38.3	8.1	27.5	38.3	25.5	0.2	0.4	38.4	38.2
Hungary	581	57.7	4.4	28.8	57.7	8.5	0.6	0.0	50.4	64.7
Indonesia	598	32.1	17.1	31.5	32.1	17.3	1.5	0.6	35.4	28.7
Iran, Islamic Rep. of	569	35.4	19.2	23.0	35.4	20.8	1.6	0.0	33.9	36.6
Israel	479	39.3	9.1	22.6	39.3	26.2	1.1	1.6	40.6	37.9
Italy	634	46.7	7.4	31.9	46.7	12.0	1.4	0.6	47.2	46.2
Japan	623	48.9	3.8	20.5	48.9	25.9	0.5	0.3	49.3	48.6
Jordan	736	58.2	7.4	25.2	58.2	8.4	0.6	0.0	59.1	57.4
Korea, Rep. of	610	72.6	3.2	8.9	72.6	15.1	0.0	0.2	71.6	73.5
Kuwait	592	41.6	17.1	22.6	41.6	15.1	3.0	0.7	41.0	42.2
Lebanon	533	38.9	10.9	31.1	38.9	16.7	2.5	0.0	40.5	37.1
Lithuania	574	36.6	7.6	37.0	36.6	17.8	0.7	0.2	32.6	40.4
Malaysia	635	23.5	12.4	42.6	23.5	18.7	1.4	1.4	22.5	24.7
Malta	661	37.5	9.9	38.0	37.5	13.6	1.1	0.0	38.1	36.8
Morocco	440	36.3	11.8	27.8	36.3	16.8	5.7	1.6	34.2	38.7
Norway	669	43.8	10.2	34.4	43.8	9.8	1.6	0.2	46.1	41.6
Oman	690	38.9	12.1	31.7	38.9	15.1	2.2	0.1	41.4	36.5
Palestinian Nat'l Auth.	618	41.3	14.8	22.6	41.3	18.5	2.8	0.0	40.2	42.5
Qatar	1019	35.3	15.1	29.2	35.3	18.0	2.0	0.3	33.0	37.7
Romania	596	41.8	13.8	26.1	41.8	16.7	1.4	0.2	45.7	38.4
Russian Federation	646	37.7	9.0	33.3	37.7	19.1	0.5	0.3	33.4	42.6
Saudi Arabia	603	38.2	9.5	36.1	38.2	14.7	1.0	0.4	36.1	40.2
Scotland	577	28.9	11.9	43.0	28.9	14.4	1.4	0.5	29.0	28.7
Serbia	583	26.1	15.3	38.4	26.1	17.0	2.8	0.4	24.4	27.7
Singapore	658	34.8	8.3	38.4	34.8	17.8	0.4	0.3	34.2	35.2
Slovenia	591	41.1	5.2	32.5	41.1	20.0	1.1	0.0	35.5	47.0
Sweden	745	40.0	15.2	29.5	40.0	14.9	0.4	0.0	39.5	40.4
Syrian Arab Republic	654	40.6	15.1	25.4	40.6	17.5	1.0	0.4	37.8	43.8
Thailand	770	29.9	13.2	39.5	29.9	15.9	1.0	0.4	28.3	31.4
Tunisia	578	25.9	10.9	32.2	25.9	29.2	1.5	0.3	23.6	28.2
Turkey	642	32.7	9.1	35.9	32.7	21.3	1.0	0.0	31.7	33.5
Ukraine	636	33.4	14.2	33.8	33.4	18.0	0.3	0.3	32.0	34.9
United States	1048	36.7	9.0	40.2	36.7	12.2	1.4	0.5	33.6	39.6
International Avg.	642	38.7	12.1	29.7	38.7	17.2	1.7	0.4	37.8	39.6
Basque Country, Spain	322	62.1	5.8	22.4	62.1	9.0	0.5	0.2	62.7	61.6
British Columbia, Canada	605	35.4	11.2	38.3	35.4	13.6	1.4	0.1	35.9	34.9
Dubai, UAE	456	37.2	14.1	30.1	37.2	13.7	3.9	1.0	32.0	42.6
Massachusetts, US	260	38.8	7.5	35.4	38.8	16.0	1.5	0.8	39.8	37.8
Minnesota, US	257	49.9	6.3	33.2	49.9	10.5	0.0	0.1	46.2	54.2
Ontario, Canada	491	43.0	7.9	33.3	43.0	14.6	1.1	0.0	38.7	47.6
Quebec, Canada	565	36.1	10.2	35.4	36.1	16.4	1.1	0.7	31.9	39.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S042176 - S08_11)
 Label: Flasks contain fresh and salt water
 Type: CR Key: -

COUNTRY	N	10	11	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	759	5.3	2.3	0.3	4.1	41.3	44.7	2.2	7.5	8.2	6.8
Armenia	682	34.2	0.6	0.5	1.3	29.8	33.2	0.4	34.8	39.0	30.6
Australia	574	34.4	7.5	1.0	0.0	40.3	16.2	0.5	42.0	41.6	42.3
Bahrain	615	40.1	2.9	2.4	0.9	25.8	27.3	0.6	43.0	57.9	29.5
Bosnia and Herzegovina	603	19.5	3.2	0.8	0.2	17.5	58.7	0.0	22.7	19.5	25.8
Botswana	594	3.2	1.4	2.2	0.2	70.3	21.2	1.5	4.6	4.0	5.3
Bulgaria	442	20.5	7.3	0.2	1.8	16.9	52.5	0.7	27.7	31.4	24.6
Chinese Taipei	577	24.6	5.2	4.3	14.2	25.2	26.4	0.1	29.8	34.2	25.6
Colombia	692	14.8	4.9	1.4	0.3	42.2	33.7	2.7	19.7	14.0	25.2
Cyprus	623	17.6	8.6	0.6	2.0	26.7	44.4	0.2	26.2	31.5	20.8
Czech Republic	690	27.1	12.7	3.1	4.6	30.4	22.1	0.0	39.8	39.1	40.3
Egypt	934	27.6	0.4	1.8	1.2	38.8	29.9	0.2	28.1	28.7	27.5
El Salvador	576	2.9	0.7	0.4	0.2	37.5	56.4	1.8	3.6	2.8	4.6
England	571	57.1	1.3	1.8	0.0	25.6	13.1	1.0	58.4	62.5	54.9
Georgia	601	17.0	7.0	3.6	1.3	15.3	55.1	0.6	24.0	25.1	22.9
Ghana	761	6.0	1.0	0.7	0.1	34.6	56.6	1.1	7.0	7.1	6.9
Hong Kong SAR	495	41.8	4.3	2.2	1.0	25.5	24.7	0.4	46.1	49.9	42.2
Hungary	581	38.9	12.9	1.2	1.7	18.6	26.8	0.0	51.8	54.9	48.8
Indonesia	598	2.8	1.4	1.8	0.1	61.5	31.5	0.8	4.2	3.8	4.8
Iran, Islamic Rep. of	569	37.2	6.8	1.2	2.4	26.6	25.8	0.0	44.0	51.5	37.8
Israel	479	20.4	1.8	1.0	7.6	21.9	45.6	1.6	22.3	21.3	23.3
Italy	635	20.9	5.6	5.2	0.0	32.4	35.4	0.6	26.5	26.8	26.2
Japan	623	48.0	3.1	2.9	1.5	30.3	13.8	0.5	51.1	51.6	50.5
Jordan	736	37.6	2.5	4.0	1.3	34.7	19.9	0.0	40.1	44.6	35.8
Korea, Rep. of	610	20.1	19.9	7.0	1.2	39.0	12.7	0.2	40.0	41.6	38.5
Kuwait	592	27.7	1.5	1.8	0.1	24.7	43.5	0.7	29.2	36.3	21.0
Lebanon	535	24.9	3.4	0.5	1.6	25.7	43.9	0.0	28.3	27.2	29.6
Lithuania	574	36.8	4.3	1.0	1.2	29.7	26.9	0.2	41.0	42.9	39.3
Malaysia	635	12.4	6.4	4.5	3.7	50.8	20.2	1.8	18.9	22.8	14.4
Malta	661	30.2	4.5	0.6	0.9	27.3	36.5	0.0	34.7	33.8	35.7
Morocco	440	20.4	0.7	1.2	0.6	20.5	54.9	1.6	21.1	25.2	16.3
Norway	669	26.8	11.1	6.3	0.2	32.9	22.5	0.2	38.0	37.7	38.3
Oman	690	33.9	2.4	1.7	0.7	39.6	21.5	0.2	36.3	45.3	27.7
Palestinian Nat'l Auth.	618	23.7	2.6	0.5	2.1	42.0	28.9	0.3	26.3	31.0	21.4
Qatar	1019	9.1	0.2	0.6	0.3	35.8	53.5	0.5	9.3	12.3	6.2
Romania	595	25.1	3.3	0.7	1.7	22.1	46.9	0.2	28.4	26.2	30.3
Russian Federation	646	32.4	9.0	0.6	4.7	31.3	21.4	0.6	41.4	40.6	42.3
Saudi Arabia	603	21.0	0.6	4.5	3.0	43.1	27.4	0.4	21.6	22.5	20.7
Scotland	577	31.0	4.8	2.5	0.3	34.3	26.5	0.7	35.8	37.4	33.9
Serbia	582	25.8	3.0	0.8	0.4	14.5	55.2	0.4	28.7	28.9	28.6
Singapore	658	52.3	4.3	1.8	1.3	29.5	10.6	0.3	56.5	58.7	54.7
Slovenia	591	36.3	4.1	0.7	5.3	37.3	16.2	0.0	40.5	40.9	40.0
Sweden	745	21.7	5.8	4.3	6.2	30.1	32.0	0.0	27.4	30.5	24.8
Syrian Arab Republic	654	25.5	1.2	1.6	2.4	33.0	35.9	0.4	26.7	25.5	28.2
Thailand	770	32.5	3.1	2.7	2.3	32.9	26.0	0.5	35.6	42.0	29.2
Tunisia	578	25.5	1.3	0.5	2.4	34.7	35.3	0.3	26.8	26.5	27.1
Turkey	642	16.2	8.0	2.9	7.7	37.4	27.8	0.0	24.2	26.1	22.4
Ukraine	636	45.5	7.3	1.5	1.4	16.7	27.3	0.5	52.7	54.3	50.9
United States	1048	26.0	7.3	6.4	1.2	47.1	11.6	0.5	33.3	30.6	35.8
International Avg.	640	26.2	4.6	2.1	2.1	32.3	32.3	0.6	30.8	32.6	29.0
Basque Country, Spain	322	18.1	3.1	1.0	2.6	30.9	44.0	0.2	21.2	19.5	22.9
British Columbia, Canada	605	26.7	9.6	13.2	2.5	32.0	15.9	0.1	36.3	37.3	35.5
Dubai, UAE	457	34.1	6.5	1.6	3.5	22.3	30.7	1.5	40.5	42.9	38.1
Massachusetts, US	260	33.1	12.1	4.7	1.0	40.9	6.9	1.3	45.2	47.4	43.0
Minnesota, US	257	23.3	6.1	10.5	0.4	51.8	7.8	0.1	29.4	22.6	37.2
Ontario, Canada	491	24.7	12.2	10.3	2.5	32.9	17.2	0.0	36.9	33.5	40.5
Quebec, Canada	565	31.9	12.2	5.2	1.4	31.3	17.4	0.7	44.0	47.0	41.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042211 - S08_12)
 Label: Forces on students sitting on wall
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	756	0.1	0.8	9.4	14.5	5.2	13.8	49.8	3.9	2.5	24.8	24.4	25.3
Armenia	683	3.3	4.0	59.4	0.1	23.9	1.7	6.2	1.0	0.4	66.9	67.5	66.2
Australia	574	4.1	0.0	60.8	5.6	0.1	5.9	21.3	1.6	0.5	70.6	68.7	72.3
Bahrain	615	1.6	0.5	21.2	14.3	2.0	24.6	32.2	2.7	1.0	37.5	42.3	33.2
Bosnia and Herzegovina	603	2.1	0.0	48.2	1.1	0.9	10.0	34.0	3.4	0.2	51.4	49.4	53.3
Botswana	594	0.0	0.1	6.9	0.4	2.2	27.3	58.9	2.4	1.9	7.4	7.9	7.0
Bulgaria	442	2.1	0.9	31.4	1.4	13.6	18.3	28.2	3.3	0.7	35.8	34.3	37.1
Chinese Taipei	578	19.3	0.5	46.6	2.3	1.7	11.3	16.4	1.8	0.1	68.7	69.7	67.8
Colombia	692	0.2	0.0	29.9	2.2	0.3	26.3	33.3	3.9	4.0	32.2	22.3	41.7
Cyprus	623	0.0	0.0	6.9	0.0	0.4	32.7	56.6	3.0	0.5	6.9	5.1	8.7
Czech Republic	690	2.8	0.6	65.9	3.1	0.5	10.0	16.4	0.7	0.0	72.3	69.9	74.4
Egypt	933	0.6	0.0	17.2	0.9	0.7	0.3	75.7	4.2	0.5	18.7	20.4	17.0
El Salvador	576	0.5	0.4	22.5	3.0	1.7	32.4	31.1	4.9	3.3	26.5	18.6	35.0
England	571	7.5	0.9	74.5	0.1	0.5	3.2	10.7	1.6	1.0	82.9	81.5	84.2
Georgia	601	0.9	0.4	33.9	6.8	0.9	18.9	32.1	2.9	3.3	41.9	45.3	38.3
Ghana	761	0.2	0.0	7.5	0.9	5.5	22.5	48.6	12.5	2.3	8.6	6.9	10.1
Hong Kong SAR	495	2.0	1.2	46.1	0.8	9.2	12.1	27.0	1.2	0.4	50.1	49.8	50.3
Hungary	581	6.3	0.6	55.1	4.1	0.0	13.7	18.9	1.2	0.0	66.2	66.9	65.5
Indonesia	598	1.0	0.4	13.2	0.8	11.8	10.9	58.6	2.2	1.1	15.4	13.0	17.9
Iran, Islamic Rep. of	569	3.4	2.0	26.0	6.3	0.5	50.5	10.4	0.5	0.3	37.7	37.9	37.6
Israel	479	7.7	2.0	38.2	1.5	9.4	17.7	18.8	2.7	1.9	49.5	48.9	50.1
Italy	635	1.2	0.2	44.1	5.9	0.7	16.5	27.2	3.7	0.6	51.3	46.2	56.6
Japan	623	7.3	0.0	48.6	1.6	1.1	14.0	26.2	0.7	0.5	57.6	57.1	58.0
Jordan	736	1.6	0.0	25.6	4.9	4.7	26.7	34.4	2.1	0.0	32.1	34.0	30.2
Korea, Rep. of	610	1.2	0.1	62.8	0.5	0.2	13.0	21.2	0.8	0.2	64.7	62.3	66.9
Kuwait	592	7.9	1.9	22.1	4.4	1.0	24.1	34.2	3.5	1.0	36.2	40.1	31.8
Lebanon	535	7.5	1.4	24.6	1.0	15.3	24.0	22.2	3.4	0.6	34.5	34.2	35.0
Lithuania	574	0.1	0.7	61.1	4.3	9.5	9.2	13.7	0.7	0.7	66.3	63.3	69.1
Malaysia	635	1.0	0.0	19.0	1.8	7.8	27.6	38.6	2.3	1.8	21.8	22.9	20.6
Malta	661	4.3	2.1	39.3	1.8	1.7	14.0	35.7	1.1	0.0	47.6	47.8	47.3
Morocco	440	1.7	0.0	20.1	0.4	14.7	28.2	28.8	4.1	2.0	22.1	23.0	21.1
Norway	669	0.4	0.0	33.9	5.6	0.7	15.8	38.9	4.2	0.5	40.0	34.2	45.7
Oman	692	1.7	0.6	24.1	5.8	5.8	27.2	32.3	2.1	0.3	32.3	36.3	28.5
Palestinian Nat'l Auth.	618	0.9	0.1	21.6	5.5	3.2	28.5	38.0	1.7	0.5	28.1	33.2	23.1
Qatar	1019	0.5	0.2	15.5	2.2	0.8	27.8	51.3	1.1	0.7	18.3	22.2	14.3
Romania	596	0.5	0.4	34.6	4.7	2.4	25.9	27.0	4.2	0.4	40.2	39.8	40.5
Russian Federation	646	4.6	0.0	53.1	1.9	0.4	13.5	22.5	2.9	1.2	59.6	53.3	66.5
Saudi Arabia	603	1.6	0.1	12.9	7.9	11.7	20.0	42.8	2.5	0.4	22.6	22.3	22.9
Scotland	577	2.1	1.5	50.3	5.4	0.8	14.6	22.4	2.0	1.0	59.3	54.9	64.3
Serbia	583	1.2	0.1	51.5	1.0	0.8	12.7	27.6	4.5	0.4	53.9	53.9	53.9
Singapore	658	0.7	0.7	55.0	0.8	0.7	21.7	20.1	0.0	0.3	57.2	56.4	57.9
Slovenia	591	21.5	3.3	44.1	3.0	0.4	8.5	18.1	1.1	0.0	71.9	71.7	72.1
Sweden	745	2.3	0.1	41.9	3.6	0.2	15.1	33.2	3.5	0.0	47.9	45.5	49.9
Syrian Arab Republic	654	1.4	0.4	26.2	6.2	0.8	27.0	35.3	2.2	0.4	34.3	34.4	34.2
Thailand	770	0.8	0.8	19.9	7.3	4.6	22.6	35.6	7.5	0.8	28.9	32.4	25.5
Tunisia	578	0.4	0.3	29.2	3.9	1.9	28.5	33.5	1.5	0.9	33.8	27.3	40.3
Turkey	642	5.6	0.4	28.7	5.8	1.3	28.7	27.2	2.1	0.3	40.4	41.5	39.5
Ukraine	636	2.3	0.0	51.7	13.2	0.4	13.6	14.9	3.4	0.6	67.2	63.1	71.8
United States	1048	6.1	2.7	54.8	4.3	0.1	15.5	14.9	1.1	0.5	67.9	63.5	72.0
International Avg.	640	3.1	0.7	35.5	3.8	3.8	19.0	30.7	2.7	0.9	43.1	42.2	43.9
Basque Country, Spain	322	1.8	0.0	43.2	2.0	1.1	23.2	25.4	3.1	0.2	47.0	43.4	50.4
British Columbia, Canada	605	1.4	0.0	65.1	5.4	0.7	10.1	15.0	2.1	0.2	71.9	67.0	76.5
Dubai, UAE	457	4.6	1.5	36.2	3.4	1.9	17.1	29.8	4.0	1.5	45.7	44.2	47.3
Massachusetts, US	260	3.6	1.4	68.8	3.1	0.4	12.3	7.7	1.4	1.3	76.9	75.8	78.0
Minnesota, US	257	1.0	0.0	66.0	5.7	0.0	15.8	10.1	1.2	0.1	72.7	70.6	75.1
Ontario, Canada	491	1.5	0.2	66.6	6.6	0.4	9.1	11.8	3.2	0.6	74.9	76.1	73.6
Quebec, Canada	565	1.5	1.3	38.9	6.0	2.0	25.4	21.7	2.6	0.7	47.6	44.7	50.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042135 - S08_13)
 Label: Water cycle processes
 Type: CR Key: -

COUNTRY	N	10	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	758	57.4	15.3	8.1	8.1	8.5	2.6	57.4	59.8	54.8
Armenia	683	42.6	19.7	4.5	7.1	25.8	0.4	42.6	41.6	43.6
Australia	574	43.3	28.3	13.7	12.1	1.9	0.7	43.3	38.9	47.5
Bahrain	615	48.1	27.6	13.2	5.9	4.0	1.2	48.1	53.4	43.4
Bosnia and Herzegovina	603	45.0	22.4	16.2	7.5	8.5	0.4	45.0	41.5	48.2
Botswana	595	28.0	29.1	15.4	21.6	3.6	2.4	28.0	30.6	25.1
Bulgaria	442	53.9	14.5	12.0	1.8	17.0	0.7	53.9	59.4	49.3
Chinese Taipei	578	88.0	7.4	0.8	2.2	1.2	0.3	88.0	89.0	87.0
Colombia	692	30.0	22.9	14.9	15.3	11.7	5.2	30.0	24.4	35.4
Cyprus	623	18.6	35.1	18.0	16.7	11.0	0.5	18.6	16.9	20.4
Czech Republic	690	71.9	18.5	4.8	3.2	1.5	0.0	71.9	69.1	74.4
Egypt	933	45.1	19.8	8.2	17.6	8.7	0.6	45.1	47.7	42.6
El Salvador	576	17.2	24.6	17.3	24.6	12.5	3.7	17.2	11.5	23.5
England	571	51.0	32.7	4.5	8.1	2.4	1.3	51.0	52.6	49.6
Georgia	600	25.9	21.8	10.1	12.1	26.7	3.3	25.9	31.6	20.0
Ghana	761	12.4	21.4	14.5	26.8	22.4	2.6	12.4	8.1	16.1
Hong Kong SAR	495	81.5	8.5	3.4	3.1	3.1	0.4	81.5	82.8	80.3
Hungary	582	33.5	58.7	3.0	2.6	2.2	0.0	33.5	37.9	29.2
Indonesia	596	36.4	24.1	15.0	15.9	7.2	1.4	36.4	38.2	34.6
Iran, Islamic Rep. of	569	56.9	20.7	8.1	8.7	5.0	0.5	56.9	61.7	53.0
Israel	479	61.2	15.9	2.0	8.0	10.8	2.1	61.2	65.1	56.9
Italy	635	68.4	16.1	5.6	3.8	5.5	0.6	68.4	65.2	71.6
Japan	623	78.1	13.1	3.7	3.8	0.7	0.6	78.1	77.5	78.6
Jordan	736	59.6	19.2	8.3	8.6	4.2	0.0	59.6	65.0	54.6
Korea, Rep. of	610	28.8	53.6	11.0	5.2	1.3	0.2	28.8	23.3	33.9
Kuwait	592	49.2	12.9	18.3	10.8	7.6	1.3	49.2	59.6	37.2
Lebanon	535	19.5	32.7	15.5	12.8	18.3	1.2	19.5	18.0	21.3
Lithuania	574	64.3	21.0	7.1	2.6	4.3	0.7	64.3	60.2	68.2
Malaysia	635	35.1	32.4	15.1	12.5	2.6	2.3	35.1	35.4	34.8
Malta	660	43.8	27.1	11.4	14.3	3.3	0.0	43.8	43.0	44.7
Morocco	440	45.4	25.0	8.6	7.8	11.2	2.0	45.4	46.1	44.5
Norway	669	65.4	13.2	6.1	7.8	6.8	0.6	65.4	63.6	67.1
Oman	692	55.8	19.9	11.2	8.2	4.5	0.4	55.8	66.0	46.0
Palestinian Nat'l Auth.	618	43.1	20.7	12.4	16.9	6.4	0.5	43.1	48.7	37.5
Qatar	1019	29.0	17.8	13.6	23.5	15.4	0.8	29.0	34.5	23.4
Romania	597	40.5	24.0	10.6	12.2	11.8	0.8	40.5	41.1	40.0
Russian Federation	646	75.9	6.8	6.4	2.6	7.1	1.3	75.9	76.1	75.6
Saudi Arabia	603	56.0	20.1	11.0	9.3	2.9	0.8	56.0	57.5	54.6
Scotland	577	43.1	26.6	12.8	13.4	3.1	1.0	43.1	45.1	40.7
Serbia	583	39.3	26.2	12.0	10.2	12.0	0.4	39.3	43.0	35.7
Singapore	658	61.8	20.9	9.2	6.6	1.2	0.3	61.8	64.5	59.4
Slovenia	591	77.1	14.0	4.2	2.5	2.0	0.2	77.1	77.8	76.3
Sweden	745	63.3	21.2	3.3	5.2	7.0	0.0	63.3	67.6	59.6
Syrian Arab Republic	654	52.6	19.4	9.3	8.2	10.2	0.4	52.6	56.2	48.5
Thailand	770	59.3	23.0	5.2	4.0	7.2	1.3	59.3	61.5	57.2
Tunisia	577	50.4	29.5	10.1	5.1	3.9	1.0	50.4	44.1	56.6
Turkey	642	49.8	24.0	11.6	7.6	6.8	0.3	49.8	51.5	48.2
Ukraine	636	53.2	20.0	9.9	5.0	11.0	0.8	53.2	51.4	55.1
United States	1048	60.1	20.9	9.8	7.3	1.5	0.5	60.1	58.6	61.5
International Avg.	640	49.3	22.7	9.8	9.5	7.7	1.0	49.3	50.3	48.3
Basque Country, Spain	322	72.4	14.8	5.8	1.6	5.1	0.2	72.4	71.6	73.1
British Columbia, Canada	605	59.2	24.8	7.2	5.7	2.6	0.6	59.2	62.3	56.4
Dubai, UAE	457	51.8	28.1	9.3	4.5	4.5	1.7	51.8	57.1	46.4
Massachusetts, US	260	75.5	11.4	5.9	3.2	2.4	1.6	75.5	70.3	80.7
Minnesota, US	257	61.4	20.5	11.5	4.7	1.9	0.1	61.4	65.8	56.4
Ontario, Canada	491	59.5	22.5	7.9	5.7	3.5	0.9	59.5	60.9	58.1
Quebec, Canada	565	64.8	19.2	8.6	3.9	2.7	0.7	64.8	63.7	65.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042257 - S08_14)
 Label: What causes the phases of the moon
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	31.3	15.7	31.3	21.6	22.3	4.2	4.9	32.1	30.5
Armenia	678	52.8	14.2	52.8	15.2	8.4	7.4	2.0	49.9	55.7
Australia	574	41.2	18.6	41.2	28.0	10.6	0.7	0.9	35.5	46.6
Bahrain	615	51.6	18.5	51.6	13.8	13.1	1.3	1.6	55.6	47.9
Bosnia and Herzegovina	603	47.1	19.9	47.1	21.3	8.2	2.0	1.5	45.8	48.3
Botswana	594	18.6	33.6	18.6	15.4	25.7	4.0	2.8	17.9	19.2
Bulgaria	442	59.3	11.3	59.3	16.2	10.1	2.0	1.1	57.8	60.6
Chinese Taipei	578	47.7	13.5	47.7	29.1	8.8	0.6	0.3	44.5	50.8
Colombia	692	43.5	8.3	43.5	23.8	14.5	1.9	8.0	40.4	46.5
Cyprus	623	38.5	16.4	38.5	28.6	14.4	1.3	0.8	37.8	39.2
Czech Republic	690	50.4	11.6	50.4	29.8	6.9	1.3	0.0	42.5	57.5
Egypt	929	56.6	14.5	56.6	15.1	12.6	0.5	0.8	55.9	57.2
El Salvador	576	27.4	18.5	27.4	24.3	23.7	1.9	4.2	21.6	33.8
England	571	56.3	13.5	56.3	17.7	8.2	2.5	1.9	53.2	59.0
Georgia	600	35.3	13.9	35.3	26.6	17.3	2.5	4.4	35.1	35.5
Ghana	761	25.2	31.6	25.2	15.6	18.5	3.6	5.4	23.6	26.7
Hong Kong SAR	495	53.2	15.3	53.2	22.8	7.6	0.7	0.4	50.0	56.4
Hungary	582	36.6	16.7	36.6	35.3	10.7	0.4	0.3	30.0	43.0
Indonesia	598	50.0	14.5	50.0	21.5	12.2	0.1	1.7	52.1	47.8
Iran, Islamic Rep. of	569	38.4	15.4	38.4	18.2	26.5	0.8	0.7	42.7	34.9
Israel	479	37.5	18.6	37.5	22.4	17.1	1.6	2.8	35.5	39.7
Italy	633	45.9	16.9	45.9	21.7	13.2	1.8	0.6	43.4	48.4
Japan	623	35.6	15.5	35.6	37.8	10.5	0.1	0.6	32.6	38.6
Jordan	736	47.2	15.0	47.2	21.6	15.5	0.6	0.2	50.7	43.9
Korea, Rep. of	610	67.9	5.5	67.9	19.7	6.7	0.0	0.2	59.9	75.2
Kuwait	592	34.4	18.2	34.4	25.0	18.8	1.7	2.0	33.2	35.7
Lebanon	509	37.6	20.9	37.6	17.0	19.4	2.4	2.6	39.1	36.0
Lithuania	574	41.8	16.4	41.8	30.1	9.7	1.2	0.7	39.4	44.0
Malaysia	635	48.6	13.1	48.6	25.8	9.6	0.0	2.9	40.2	58.3
Malta	659	39.3	21.9	39.3	20.0	17.6	1.1	0.2	37.1	41.6
Morocco	437	32.4	18.5	32.4	22.1	19.2	2.6	5.1	31.2	33.8
Norway	669	51.6	12.8	51.6	27.3	6.7	0.7	0.9	47.3	55.9
Oman	692	47.0	21.9	47.0	15.5	14.1	0.3	1.2	48.2	45.9
Palestinian Nat'l Auth.	618	45.0	17.8	45.0	15.8	19.7	1.0	0.7	45.4	44.5
Qatar	1019	39.1	20.8	39.1	23.4	13.8	1.5	1.4	38.7	39.5
Romania	597	42.1	10.6	42.1	26.8	18.1	1.6	0.9	40.1	43.9
Russian Federation	646	54.6	10.4	54.6	23.0	7.5	2.2	2.3	48.2	61.7
Saudi Arabia	603	48.6	17.0	48.6	18.3	14.2	0.9	1.1	52.6	44.9
Scotland	577	36.2	20.0	36.2	27.0	14.4	1.0	1.5	33.4	39.4
Serbia	580	42.7	22.8	42.7	23.2	9.6	1.0	0.7	38.5	46.7
Singapore	658	67.8	9.4	67.8	12.9	9.2	0.3	0.5	66.2	69.2
Slovenia	591	48.7	11.1	48.7	23.9	13.9	2.1	0.3	41.0	56.6
Sweden	745	43.5	17.4	43.5	28.8	9.4	0.5	0.4	39.5	47.0
Syrian Arab Republic	654	43.2	19.9	43.2	15.2	19.7	1.1	0.9	38.1	48.9
Thailand	770	47.3	19.7	47.3	16.9	13.8	1.0	1.3	47.9	46.6
Tunisia	577	32.7	14.7	32.7	23.5	24.9	2.3	1.9	34.1	31.3
Turkey	642	38.0	20.3	38.0	24.3	15.9	0.7	0.8	37.6	38.4
Ukraine	636	49.0	8.9	49.0	28.7	10.9	0.8	1.6	44.5	54.1
United States	1048	56.4	13.7	56.4	21.0	7.3	1.0	0.6	49.8	62.5
International Avg.	640	44.1	16.4	44.1	22.4	13.9	1.5	1.6	42.0	46.3
Basque Country, Spain	322	49.5	11.1	49.5	29.4	7.8	1.4	0.8	42.2	56.3
British Columbia, Canada	605	43.8	17.9	43.8	28.5	8.4	0.9	0.6	39.4	47.9
Dubai, UAE	456	51.1	17.0	51.1	16.9	11.1	2.5	1.3	47.0	55.4
Massachusetts, US	260	56.3	9.9	56.3	21.3	6.3	4.6	1.6	53.1	59.6
Minnesota, US	257	51.2	13.3	51.2	27.3	7.3	0.3	0.6	53.7	48.3
Ontario, Canada	491	38.5	19.6	38.5	26.2	13.3	1.0	1.3	36.9	40.1
Quebec, Canada	565	52.4	13.1	52.4	21.6	10.6	1.2	1.1	51.8	52.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S032542 - S09_01)
 Label: Classification of animals
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	30.5	15.5	30.5	29.5	17.5	5.4	1.7	27.8	33.2
Armenia	679	42.2	19.1	42.2	18.0	12.2	8.5	0.0	41.3	43.1
Australia	578	49.1	16.2	49.1	16.4	16.9	1.4	0.0	45.3	52.9
Bahrain	618	40.7	15.7	40.7	20.8	18.7	3.4	0.7	45.0	36.6
Bosnia and Herzegovina	608	42.2	15.9	42.2	22.5	16.0	3.4	0.0	39.0	45.1
Botswana	596	26.7	15.5	26.7	30.8	22.8	2.8	1.4	26.2	27.2
Bulgaria	443	40.2	25.1	40.2	17.5	13.9	3.3	0.0	42.1	38.6
Chinese Taipei	581	73.7	11.2	73.7	10.2	4.9	0.0	0.0	73.7	73.8
Colombia	692	36.3	14.0	36.3	26.2	18.2	1.6	3.7	31.0	42.1
Cyprus	630	35.0	22.8	35.0	28.5	12.1	1.3	0.3	29.9	40.2
Czech Republic	691	71.0	7.6	71.0	11.2	8.5	1.6	0.0	68.9	72.8
Egypt	928	29.8	20.5	29.8	26.9	20.8	1.9	0.1	24.4	34.9
El Salvador	578	31.6	16.9	31.6	33.2	15.2	1.5	1.6	29.0	34.2
England	569	51.6	12.1	51.6	20.4	14.6	1.1	0.2	46.5	56.7
Georgia	594	20.0	28.4	20.0	24.7	21.0	5.4	0.4	19.8	20.3
Ghana	760	25.3	18.5	25.3	32.7	18.5	3.9	1.1	24.2	26.3
Hong Kong SAR	498	61.6	12.2	61.6	11.6	13.3	1.3	0.0	59.5	63.5
Hungary	591	71.5	10.2	71.5	7.1	8.0	3.2	0.1	68.1	75.1
Indonesia	600	30.7	33.3	30.7	18.8	16.0	0.7	0.6	25.5	36.1
Iran, Islamic Rep. of	577	32.1	21.9	32.1	26.5	17.7	1.8	0.0	31.2	33.0
Israel	463	50.1	13.6	50.1	23.9	8.1	3.1	1.2	48.3	52.2
Italy	634	54.9	16.5	54.9	18.6	8.4	1.6	0.0	55.8	54.0
Japan	610	68.5	10.1	68.5	13.9	6.0	1.3	0.2	65.0	71.7
Jordan	747	39.8	18.0	39.8	21.7	18.3	2.1	0.2	38.7	40.8
Korea, Rep. of	606	69.9	10.9	69.9	14.2	5.0	0.0	0.0	66.8	72.6
Kuwait	578	32.8	22.3	32.8	22.1	19.4	3.4	0.0	33.2	32.2
Lebanon	534	46.4	17.8	46.4	18.3	13.4	2.9	1.1	44.2	48.8
Lithuania	566	49.8	20.5	49.8	13.5	15.0	1.2	0.0	45.8	53.8
Malaysia	634	55.6	18.1	55.6	14.0	11.3	0.6	0.5	60.0	50.9
Malta	663	40.6	17.5	40.6	23.3	15.4	3.2	0.0	33.0	48.5
Morocco	431	44.4	16.4	44.4	18.4	17.1	3.7	0.0	44.5	43.8
Norway	676	54.2	14.9	54.2	16.9	12.2	1.8	0.0	53.7	54.6
Oman	689	33.6	18.1	33.6	26.2	17.9	3.8	0.4	30.2	36.9
Palestinian Nat'l Auth.	631	32.7	20.1	32.7	23.8	21.1	2.1	0.2	34.4	31.0
Qatar	1018	39.1	19.4	39.1	21.3	18.3	1.8	0.2	35.2	43.0
Romania	602	53.0	13.6	53.0	17.4	14.3	1.5	0.1	50.1	55.7
Russian Federation	650	56.1	15.3	56.1	15.3	10.7	2.3	0.2	52.9	59.5
Saudi Arabia	601	38.8	19.6	38.8	22.4	16.2	2.8	0.0	38.4	39.2
Scotland	560	41.3	21.6	41.3	20.9	14.8	0.8	0.6	39.7	43.1
Serbia	581	47.8	19.4	47.8	14.2	15.5	3.1	0.0	47.6	48.1
Singapore	658	74.1	10.0	74.1	7.4	7.9	0.6	0.0	73.5	74.6
Slovenia	588	59.1	11.8	59.1	17.0	10.8	1.4	0.0	58.6	59.5
Sweden	751	59.5	15.4	59.5	16.1	7.0	2.0	0.0	60.4	58.7
Syrian Arab Republic	666	39.5	20.3	39.5	22.4	14.7	2.9	0.2	37.3	41.9
Thailand	774	51.8	13.6	51.8	21.8	11.3	1.4	0.2	48.9	54.8
Tunisia	589	49.7	15.4	49.7	19.1	10.9	3.9	1.0	40.1	59.2
Turkey	638	42.9	21.5	42.9	18.7	16.4	0.6	0.0	39.9	45.3
Ukraine	640	48.2	18.0	48.2	13.9	18.3	1.3	0.3	46.5	50.1
United States	1033	43.6	14.1	43.6	19.6	21.5	1.0	0.2	39.6	47.5
International Avg.	641	46.1	17.1	46.1	19.8	14.4	2.3	0.4	44.1	48.1
Basque Country, Spain	323	59.1	19.2	59.1	11.7	8.2	1.3	0.5	52.3	64.6
British Columbia, Canada	602	48.0	19.9	48.0	14.8	16.1	0.9	0.2	49.7	46.3
Dubai, UAE	452	47.9	19.4	47.9	17.0	12.7	2.8	0.1	47.0	48.8
Massachusetts, US	269	51.7	14.5	51.7	15.4	17.0	1.0	0.3	50.7	52.6
Minnesota, US	253	47.2	16.6	47.2	13.4	21.6	0.8	0.5	48.6	45.7
Ontario, Canada	499	48.7	16.3	48.7	15.3	18.8	0.9	0.0	44.5	52.8
Quebec, Canada	573	43.8	24.2	43.8	19.8	9.2	2.0	0.9	42.5	45.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032645 - S09_02)
 Label: True statement about producers
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	32.9	32.9	9.4	31.8	17.7	5.9	2.3	37.8	28.2
Armenia	684	48.0	48.0	8.1	21.0	9.4	13.4	0.0	49.3	46.8
Australia	578	49.8	49.8	7.8	18.1	22.2	2.0	0.0	46.8	52.8
Bahrain	618	56.6	56.6	5.8	21.4	12.5	2.7	0.9	68.5	45.2
Bosnia and Herzegovina	608	61.4	61.4	5.9	17.2	11.2	4.0	0.2	61.5	61.3
Botswana	596	40.4	40.4	5.1	31.9	18.5	2.0	2.1	44.9	35.7
Bulgaria	443	39.6	39.6	10.2	31.4	14.0	4.7	0.0	41.6	38.1
Chinese Taipei	581	72.8	72.8	5.5	8.2	13.6	0.0	0.0	72.5	73.0
Colombia	692	49.8	49.8	3.9	24.4	15.7	1.7	4.5	46.5	53.5
Cyprus	630	38.2	38.2	9.3	34.9	15.0	2.2	0.4	37.9	38.5
Czech Republic	691	36.3	36.3	12.2	16.4	32.2	3.0	0.0	32.4	39.5
Egypt	927	32.5	32.5	6.9	37.4	22.6	0.6	0.1	35.1	29.9
El Salvador	578	43.4	43.4	7.1	32.5	13.7	1.2	2.1	45.8	40.9
England	569	66.9	66.9	3.6	19.1	8.4	1.7	0.2	65.9	68.0
Georgia	.	.	.	.	.	.	.	.	.	.
Ghana	760	36.8	36.8	9.1	32.2	17.5	3.1	1.4	35.4	38.0
Hong Kong SAR	498	57.4	57.4	9.2	16.4	16.1	0.9	0.0	53.0	61.5
Hungary	591	36.4	36.4	6.0	26.9	28.4	2.2	0.1	32.9	40.0
Indonesia	600	56.9	56.9	5.4	26.7	9.6	0.8	0.7	58.5	55.1
Iran, Islamic Rep. of	577	29.8	29.8	10.6	25.9	31.1	2.1	0.4	34.7	25.8
Israel	463	35.5	35.5	10.0	30.3	17.2	5.8	1.2	36.7	34.0
Italy	634	39.5	39.5	8.8	17.1	30.1	4.4	0.1	40.7	38.3
Japan	610	31.9	31.9	13.1	29.8	24.0	1.1	0.2	32.1	31.7
Jordan	747	66.5	66.5	3.3	16.6	12.5	0.8	0.2	71.0	62.3
Korea, Rep. of	606	58.8	58.8	3.9	22.0	15.1	0.1	0.0	57.9	59.7
Kuwait	578	42.5	42.5	4.3	31.9	18.0	3.1	0.3	44.6	40.0
Lebanon	533	27.5	27.5	6.8	36.7	22.5	5.0	1.4	27.9	27.1
Lithuania	564	54.9	54.9	2.6	13.7	27.5	1.2	0.0	57.5	52.4
Malaysia	634	65.3	65.3	4.7	14.3	14.4	0.4	0.9	67.5	63.0
Malta	654	43.8	43.8	9.6	28.2	15.2	2.9	0.3	44.3	43.3
Morocco	430	19.5	19.5	7.0	51.1	17.1	5.1	0.2	19.3	19.1
Norway	676	45.8	45.8	5.7	15.6	30.7	2.2	0.0	50.0	41.4
Oman	689	55.0	55.0	3.0	31.5	7.5	2.0	0.9	61.1	49.1
Palestinian Nat'l Auth.	631	35.7	35.7	6.4	25.5	30.4	1.8	0.2	38.0	33.4
Qatar	1018	33.9	33.9	15.0	31.1	17.9	1.9	0.2	35.3	32.4
Romania	601	36.3	36.3	7.7	31.3	22.7	1.9	0.1	38.5	34.2
Russian Federation	650	41.1	41.1	9.7	25.0	21.4	2.4	0.4	39.6	42.6
Saudi Arabia	599	41.3	41.3	11.9	34.1	11.5	1.2	0.0	42.4	40.3
Scotland	560	48.8	48.8	5.4	25.6	18.0	1.5	0.8	48.8	48.8
Serbia	583	59.8	59.8	9.4	12.8	15.3	2.6	0.0	59.4	60.3
Singapore	658	76.7	76.7	3.8	10.7	8.5	0.0	0.2	78.5	75.3
Slovenia	588	68.6	68.6	5.2	6.1	18.7	1.3	0.0	67.5	69.6
Sweden	751	42.5	42.5	5.4	29.9	19.4	2.8	0.0	39.6	45.0
Syrian Arab Republic	666	56.2	56.2	4.8	25.1	11.6	1.9	0.4	58.4	53.8
Thailand	774	52.2	52.2	7.8	15.5	23.0	1.4	0.2	55.8	48.5
Tunisia	589	23.8	23.8	7.6	28.0	34.9	4.5	1.2	21.2	26.3
Turkey	638	62.7	62.7	3.6	24.7	8.2	0.8	0.0	64.5	61.3
Ukraine	640	34.4	34.4	18.0	24.6	19.5	3.0	0.3	34.1	34.8
United States	1033	57.8	57.8	6.7	19.3	14.7	1.2	0.2	59.2	56.4
International Avg.	641	46.8	46.8	7.3	24.6	18.3	2.5	0.5	47.8	45.8
Basque Country, Spain	323	38.5	38.5	6.5	19.8	30.6	4.1	0.5	36.2	40.4
British Columbia, Canada	602	53.7	53.7	7.1	17.8	19.8	1.4	0.2	53.1	54.4
Dubai, UAE	453	59.7	59.7	6.1	19.7	11.0	3.1	0.4	59.9	59.6
Massachusetts, US	269	69.6	69.6	4.7	9.7	14.5	1.2	0.3	66.4	72.3
Minnesota, US	253	60.6	60.6	7.5	16.9	14.1	0.5	0.5	66.0	54.6
Ontario, Canada	499	56.2	56.2	5.1	18.5	18.8	1.5	0.0	52.9	59.4
Quebec, Canada	573	27.3	27.3	6.7	30.8	30.9	3.1	1.1	27.6	26.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032530A - S09_03A)
 Label: Conditions for germination
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	740	12.1	2.9	3.9	0.6	5.9	12.2	28.1	31.7	2.5	19.6	22.9	16.3
Armenia	684	44.7	11.0	5.3	1.1	3.4	14.0	6.0	14.5	0.0	62.1	65.0	59.3
Australia	578	26.7	7.5	1.3	0.5	5.4	13.4	18.9	26.2	0.0	36.0	39.2	32.9
Bahrain	618	30.5	0.8	8.2	0.6	8.1	22.7	14.1	13.9	0.9	40.2	46.1	34.5
Bosnia and Herzegovina	608	37.5	8.6	1.9	0.2	7.3	21.5	8.9	13.9	0.2	48.2	50.8	45.9
Botswana	596	15.5	10.7	4.6	0.0	1.3	23.3	33.8	8.7	2.2	30.7	38.3	23.1
Bulgaria	443	30.8	16.6	1.5	0.0	7.6	11.4	5.2	26.8	0.0	48.9	56.5	42.9
Chinese Taipei	581	48.4	1.2	5.8	0.0	7.1	19.6	10.6	7.3	0.0	55.4	56.2	54.6
Colombia	692	31.5	0.9	2.0	0.0	6.3	12.8	17.4	24.0	5.1	34.4	32.0	37.0
Cyprus	629	33.1	3.6	5.3	0.0	4.3	19.3	15.6	18.4	0.5	41.9	44.2	39.5
Czech Republic	691	54.4	13.9	6.2	0.0	9.9	4.3	4.5	6.7	0.0	74.6	76.1	73.3
Egypt	933	23.8	4.0	5.1	0.2	5.2	31.5	20.2	10.0	0.1	33.0	36.0	30.1
El Salvador	578	16.9	0.8	2.0	0.3	5.6	18.1	20.8	33.5	2.1	20.0	18.4	21.6
England	569	39.3	18.4	1.7	0.1	5.4	10.2	11.3	13.2	0.2	59.6	57.8	61.4
Georgia	594	27.9	18.9	3.6	0.0	2.2	8.6	10.5	27.3	1.0	50.4	55.6	44.9
Ghana	760	15.9	3.8	4.2	0.0	2.1	11.1	31.9	29.2	1.7	24.0	19.8	27.8
Hong Kong SAR	498	55.2	0.6	13.3	0.4	3.0	17.8	4.7	5.0	0.0	69.5	69.0	69.9
Hungary	591	43.7	5.2	3.4	0.0	14.9	18.6	5.5	8.6	0.1	52.3	53.6	50.9
Indonesia	600	15.0	5.6	1.4	0.8	2.7	9.5	45.7	18.6	0.7	22.8	24.0	21.6
Iran, Islamic Rep. of	577	29.2	2.4	2.3	2.5	10.1	26.2	13.5	13.1	0.6	36.5	37.6	35.5
Israel	463	44.2	5.3	3.5	0.2	4.5	10.8	11.3	18.9	1.3	53.2	61.3	43.7
Italy	636	23.5	3.9	3.2	0.0	7.6	15.5	11.2	35.0	0.3	30.5	26.8	34.0
Japan	610	59.2	6.7	7.0	0.0	3.1	10.8	8.7	4.1	0.3	73.0	74.3	71.8
Jordan	747	29.7	2.0	12.9	0.0	6.7	20.1	19.7	8.7	0.2	44.6	43.8	45.5
Korea, Rep. of	606	53.7	5.8	5.9	0.0	9.8	9.3	6.2	9.2	0.0	65.5	70.6	60.8
Kuwait	578	30.7	1.5	5.2	0.3	13.4	21.7	12.9	13.9	0.4	37.7	37.9	37.4
Lebanon	541	22.4	0.9	5.2	0.0	3.8	7.6	19.6	38.5	2.0	28.5	30.7	25.9
Lithuania	567	54.8	11.9	1.2	0.0	12.1	10.6	3.4	5.8	0.0	68.0	72.3	63.7
Malaysia	634	40.7	1.8	8.4	0.0	2.2	21.8	14.8	9.4	0.9	50.9	57.3	44.1
Malta	662	15.0	5.5	4.1	0.1	3.1	8.2	20.3	43.2	0.3	24.8	29.2	20.3
Morocco	437	32.0	2.4	9.2	0.0	11.0	8.7	17.9	18.5	0.4	43.6	49.7	34.6
Norway	676	52.5	6.7	2.1	0.0	11.3	15.2	6.2	5.8	0.2	61.3	63.0	59.6
Oman	689	16.7	0.5	5.4	0.0	11.3	30.9	25.5	8.9	0.9	22.5	26.4	18.7
Palestinian Nat'l Auth.	631	26.4	1.1	6.6	0.0	3.9	25.0	25.8	10.7	0.4	34.1	37.4	31.0
Qatar	1018	15.1	1.0	4.1	0.0	7.1	18.1	24.9	29.5	0.2	20.2	22.2	18.1
Romania	602	35.9	15.0	0.9	0.2	5.5	3.7	11.1	27.3	0.3	52.0	61.5	43.1
Russian Federation	650	42.9	17.5	2.9	0.1	8.4	14.0	5.5	8.4	0.4	63.4	66.0	60.6
Saudi Arabia	601	35.4	2.4	7.2	0.0	7.5	24.3	14.1	9.1	0.0	45.0	49.2	41.1
Scotland	560	24.7	13.9	1.4	1.0	2.3	10.5	15.3	30.2	0.8	40.9	42.0	39.7
Serbia	588	39.8	7.4	1.6	0.2	7.5	23.4	4.9	15.3	0.0	49.0	50.0	48.0
Singapore	658	40.9	23.5	4.2	0.0	1.9	10.3	10.4	8.5	0.2	68.6	72.7	65.0
Slovenia	588	48.3	14.3	3.5	0.0	7.1	20.2	4.7	2.0	0.0	66.1	65.9	66.3
Sweden	751	56.5	4.2	5.8	0.1	10.5	12.2	4.5	6.1	0.0	66.7	71.3	62.6
Syrian Arab Republic	666	21.3	5.2	7.2	2.9	14.1	18.6	17.5	12.8	0.4	36.6	35.2	38.2
Thailand	774	17.3	3.1	3.2	0.0	3.7	25.7	27.4	19.1	0.5	23.6	25.4	21.8
Tunisia	589	17.9	10.5	11.7	3.4	1.9	2.9	33.4	16.9	1.4	43.4	39.3	47.5
Turkey	638	35.3	7.1	8.5	0.0	5.7	19.6	13.6	10.1	0.0	50.9	55.2	47.5
Ukraine	640	24.3	6.1	0.9	3.3	10.9	21.4	21.4	11.5	0.3	34.5	41.6	26.5
United States	1033	33.0	4.5	1.2	0.0	8.0	11.8	21.8	19.2	0.4	38.8	39.0	38.6
International Avg.	641	33.1	6.7	4.6	0.4	6.6	15.9	15.5	16.5	0.6	44.9	47.3	42.4
Basque Country, Spain	323	23.7	2.0	2.8	1.0	4.6	19.6	14.9	30.9	0.5	29.4	30.9	28.2
British Columbia, Canada	602	23.3	8.0	1.6	0.0	7.4	8.1	17.7	33.7	0.2	32.9	33.3	32.5
Dubai, UAE	453	27.6	6.6	2.6	0.0	8.5	17.9	17.3	18.6	1.0	36.7	35.4	38.1
Massachusetts, US	269	40.3	6.0	2.7	0.0	9.1	8.1	18.4	15.1	0.3	49.0	41.9	55.0
Minnesota, US	253	35.8	5.5	2.7	0.0	6.6	11.6	27.7	9.8	0.5	43.9	41.9	46.1
Ontario, Canada	499	29.5	5.9	1.6	0.0	10.0	6.5	19.4	27.1	0.0	37.1	36.3	37.8
Quebec, Canada	573	54.0	5.5	1.8	0.0	6.9	10.1	7.1	13.4	1.2	61.3	61.1	61.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032530B - S09_03B)
 Label: Conditions for germination
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	738	10.6	4.9	4.5	0.5	9.1	7.9	24.3	35.6	2.5	20.6	20.7	20.4
Armenia	684	18.2	12.1	8.1	21.5	2.8	8.1	10.0	19.2	0.0	59.8	63.2	56.5
Australia	578	18.7	3.8	1.2	0.1	12.1	7.2	25.2	31.7	0.0	23.9	22.6	25.1
Bahrain	618	26.8	1.2	13.0	0.2	12.2	13.3	16.3	16.1	0.9	41.2	49.2	33.4
Bosnia and Herzegovina	608	28.4	14.8	6.1	0.5	8.5	12.4	8.2	20.8	0.2	49.8	46.8	52.5
Botswana	596	16.1	6.8	11.3	0.0	4.1	7.6	41.7	10.2	2.2	34.2	42.4	25.9
Bulgaria	443	25.8	18.3	4.3	0.2	7.6	6.8	5.7	31.2	0.0	48.7	56.5	42.4
Chinese Taipei	581	32.4	1.0	16.5	0.5	14.7	11.8	13.4	9.7	0.0	50.4	55.9	44.8
Colombia	692	15.4	1.1	5.6	0.0	12.6	10.0	24.2	26.0	5.1	22.0	22.5	21.5
Cyprus	629	23.3	3.7	7.9	0.0	6.7	11.4	22.4	24.0	0.5	34.9	37.1	32.6
Czech Republic	691	23.7	21.1	10.4	0.0	21.1	4.6	7.8	11.1	0.0	55.3	58.4	52.7
Egypt	933	21.7	3.4	9.2	0.0	13.4	13.7	25.6	13.0	0.1	34.3	37.0	31.6
El Salvador	578	13.8	0.6	1.5	0.0	10.3	8.4	25.6	37.6	2.1	16.0	14.3	17.6
England	569	24.2	9.7	4.6	0.3	11.8	8.2	24.4	16.5	0.2	38.8	45.7	31.8
Georgia	594	19.2	18.4	6.8	0.6	4.6	5.5	10.8	33.1	1.0	45.0	53.7	35.9
Ghana	760	12.1	3.6	6.7	0.0	3.4	5.1	34.6	32.9	1.7	22.3	18.6	25.8
Hong Kong SAR	498	30.9	1.8	26.0	0.2	15.0	14.1	6.6	5.4	0.0	58.9	62.4	55.7
Hungary	591	29.1	8.0	6.0	0.0	18.0	12.3	9.0	17.4	0.1	43.1	42.1	44.2
Indonesia	599	8.4	4.0	2.2	0.7	1.6	5.9	55.6	21.0	0.7	15.3	15.0	15.7
Iran, Islamic Rep. of	577	30.1	2.9	2.0	2.3	9.5	12.1	23.6	17.0	0.6	37.2	38.1	36.4
Israel	463	17.9	9.0	9.7	0.1	13.6	9.6	16.2	22.7	1.3	36.7	40.9	31.7
Italy	636	20.8	3.3	3.2	0.3	5.2	8.6	17.3	41.1	0.3	27.6	24.9	30.0
Japan	610	27.4	12.5	14.6	0.0	5.5	9.9	24.0	5.8	0.3	54.5	52.0	56.7
Jordan	747	25.4	2.3	15.6	0.0	12.4	10.8	22.0	11.5	0.2	43.2	48.2	38.4
Korea, Rep. of	606	24.5	9.4	13.4	0.0	29.0	3.7	10.8	9.2	0.0	47.3	46.9	47.6
Kuwait	578	27.3	1.8	10.9	0.0	13.7	6.9	21.7	17.3	0.4	40.1	42.1	37.6
Lebanon	541	8.8	1.3	9.4	0.0	9.8	3.6	22.4	42.7	2.0	19.5	22.4	16.3
Lithuania	567	27.4	17.2	6.6	0.0	15.4	8.7	14.0	10.6	0.0	51.3	54.4	48.2
Malaysia	634	20.6	1.4	17.2	0.2	7.8	9.2	29.0	13.7	0.9	39.4	43.8	34.8
Malta	660	10.1	2.8	2.9	0.0	5.4	4.5	25.8	48.1	0.3	15.9	18.8	13.0
Morocco	437	23.8	1.9	8.6	0.7	11.4	6.1	22.4	24.7	0.4	35.0	35.0	35.2
Norway	676	27.6	8.5	8.7	0.3	17.9	18.0	9.7	9.0	0.2	45.2	46.1	44.3
Oman	689	25.5	1.4	5.4	0.2	12.1	10.5	31.5	12.5	0.9	32.5	37.1	28.0
Palestinian Nat'l Auth.	631	23.4	1.3	8.1	0.3	9.2	11.0	33.8	12.4	0.4	33.2	41.4	25.2
Qatar	1018	16.4	1.1	5.8	0.3	7.7	9.6	28.3	30.7	0.2	23.5	28.5	18.5
Romania	602	14.6	17.7	3.4	0.1	9.9	3.4	17.2	33.3	0.3	35.9	43.1	29.1
Russian Federation	650	34.5	19.5	4.2	0.0	12.2	6.7	10.9	11.6	0.4	58.1	56.7	59.7
Saudi Arabia	601	29.9	2.1	8.3	0.8	16.8	14.9	16.3	10.9	0.0	41.0	44.4	37.9
Scotland	560	20.6	8.3	2.7	1.1	4.7	6.1	22.2	33.7	0.8	32.6	34.3	30.7
Serbia	588	29.6	9.1	5.3	0.3	10.8	13.6	10.3	21.0	0.0	44.3	48.6	40.1
Singapore	658	27.9	14.5	13.3	0.0	6.3	6.9	19.8	11.1	0.2	55.7	58.9	53.0
Slovenia	588	29.6	21.2	8.7	0.1	14.4	12.0	9.6	4.3	0.0	59.6	61.2	58.1
Sweden	751	24.1	7.6	7.4	0.1	21.8	14.3	12.5	12.2	0.0	39.1	38.4	39.8
Syrian Arab Republic	666	24.1	5.8	9.7	2.6	13.0	7.8	19.7	16.9	0.4	42.2	40.6	43.9
Thailand	774	11.8	4.4	4.9	0.1	3.7	9.2	43.9	21.6	0.5	21.1	23.5	18.6
Tunisia	589	15.0	10.2	9.7	1.5	3.0	1.4	37.7	20.1	1.4	36.3	35.8	36.9
Turkey	638	29.5	7.1	11.5	0.0	7.3	7.6	22.1	14.9	0.0	48.1	51.5	45.3
Ukraine	640	27.4	6.9	2.3	3.3	10.7	9.2	21.5	18.3	0.3	39.9	43.6	35.6
United States	1033	19.3	3.3	3.8	0.0	16.3	5.3	29.9	21.7	0.4	26.4	25.4	27.4
International Avg.	641	22.3	7.2	7.9	0.8	10.7	8.9	21.2	20.3	0.6	38.3	40.6	36.0
Basque Country, Spain	323	21.8	1.9	2.1	2.7	6.6	13.0	12.1	39.3	0.5	28.5	24.6	31.7
British Columbia, Canada	602	15.6	7.4	3.1	0.1	8.6	5.8	21.9	37.3	0.2	26.2	25.5	27.0
Dubai, UAE	453	27.8	5.0	7.1	0.9	11.4	7.1	18.0	21.7	1.0	40.8	44.6	36.7
Massachusetts, US	269	20.2	6.0	5.5	0.0	17.4	6.2	27.3	17.2	0.3	31.7	31.0	32.2
Minnesota, US	253	17.5	7.1	3.5	0.0	17.6	9.4	33.2	11.2	0.5	28.1	30.0	26.0
Ontario, Canada	499	16.8	3.1	4.1	0.6	14.6	6.5	21.5	32.7	0.0	24.6	25.5	23.7
Quebec, Canada	573	18.6	7.7	6.8	0.1	19.1	12.8	14.0	19.8	1.2	33.2	34.6	31.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032530D - S09_03D)
 Label: Conditions for germination/DERIVED
 Type: CR Key: -

COUNTRY	N	20	10	70	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	738	7.9	24.3	34.1	31.1	2.5	32.2	7.9	8.3	7.6
Armenia	684	44.7	32.5	8.4	14.4	0.0	77.2	44.7	47.0	42.5
Australia	578	10.0	39.9	23.9	26.2	0.0	49.9	10.0	10.1	9.9
Bahrain	618	16.6	48.2	20.6	13.7	0.9	64.8	16.6	19.3	13.9
Bosnia and Herzegovina	608	25.9	46.1	13.8	13.9	0.2	72.0	25.9	26.2	25.7
Botswana	596	18.0	29.0	42.3	8.5	2.2	47.0	18.0	22.9	13.0
Bulgaria	443	31.6	34.3	7.2	26.8	0.0	65.9	31.6	37.1	27.3
Chinese Taipei	581	21.4	63.1	8.4	7.1	0.0	84.5	21.4	23.3	19.4
Colombia	692	7.1	42.3	21.8	23.8	5.1	49.3	7.1	7.9	6.1
Cyprus	629	13.4	50.1	17.6	18.4	0.5	63.4	13.4	15.1	11.5
Czech Republic	691	41.0	48.0	4.3	6.7	0.0	88.9	41.0	46.0	36.8
Egypt	933	11.5	44.4	34.2	9.9	0.1	55.8	11.5	14.4	8.6
El Salvador	578	2.8	30.4	31.4	33.4	2.1	33.2	2.8	2.9	2.7
England	569	25.1	48.3	13.3	13.2	0.2	73.3	25.1	28.8	21.2
Georgia	594	34.1	27.2	10.4	27.3	1.0	61.3	34.1	42.4	25.4
Ghana	760	12.5	21.4	35.4	29.1	1.7	33.9	12.5	10.5	14.3
Hong Kong SAR	498	36.9	54.6	3.5	5.0	0.0	91.5	36.9	38.6	35.3
Hungary	591	16.1	63.1	12.0	8.6	0.1	79.3	16.1	16.8	15.4
Indonesia	599	7.8	22.6	51.2	17.7	0.7	30.4	7.8	7.7	7.8
Iran, Islamic Rep. of	577	13.0	47.7	25.6	13.1	0.6	60.7	13.0	14.2	12.0
Israel	463	22.5	44.8	12.7	18.7	1.3	67.3	22.5	28.6	15.5
Italy	636	9.5	39.1	16.3	34.8	0.3	48.6	9.5	7.9	11.0
Japan	610	35.8	56.0	3.9	4.1	0.3	91.7	35.8	34.1	37.3
Jordan	747	20.8	46.2	24.0	8.7	0.2	67.0	20.8	22.5	19.2
Korea, Rep. of	606	28.8	55.1	6.8	9.2	0.0	83.9	28.8	33.5	24.6
Kuwait	578	16.2	45.4	24.1	13.9	0.4	61.6	16.2	15.7	16.8
Lebanon	541	10.1	27.8	21.6	38.5	2.0	37.9	10.1	11.4	8.6
Lithuania	567	31.8	55.6	6.9	5.7	0.0	87.4	31.8	35.0	28.7
Malaysia	634	21.3	47.7	20.7	9.4	0.9	69.0	21.3	26.5	15.7
Malta	660	9.1	22.7	24.7	43.2	0.3	31.7	9.1	11.4	6.7
Morocco	437	17.2	44.1	20.2	18.0	0.4	61.4	17.2	20.5	12.8
Norway	676	20.4	65.8	8.0	5.6	0.2	86.2	20.4	20.1	20.6
Oman	689	5.8	43.4	41.0	8.9	0.9	49.2	5.8	6.7	4.9
Palestinian Nat'l Auth.	631	11.8	43.7	34.0	10.1	0.4	55.5	11.8	13.5	10.1
Qatar	1018	6.3	31.2	33.1	29.3	0.2	37.4	6.3	7.4	5.1
Romania	602	27.0	34.0	11.5	27.3	0.3	60.9	27.0	33.0	21.3
Russian Federation	650	37.1	47.4	6.8	8.4	0.4	84.5	37.1	38.5	35.6
Saudi Arabia	601	13.9	58.1	18.8	9.1	0.0	72.1	13.9	13.2	14.6
Scotland	560	20.6	32.4	16.4	30.0	0.8	52.9	20.6	21.7	19.4
Serbia	588	17.4	58.5	8.8	15.3	0.0	75.9	17.4	18.9	16.0
Singapore	658	46.5	31.4	13.4	8.5	0.2	77.8	46.5	47.9	45.2
Slovenia	588	36.2	53.3	8.5	2.0	0.0	89.5	36.2	37.7	34.8
Sweden	751	20.3	65.3	8.5	6.0	0.0	85.6	20.3	21.6	19.1
Syrian Arab Republic	666	15.9	47.0	24.3	12.4	0.4	62.9	15.9	13.9	18.2
Thailand	774	9.3	26.2	45.0	19.1	0.5	35.5	9.3	10.7	7.8
Tunisia	589	26.1	27.6	28.0	16.9	1.4	53.7	26.1	26.0	26.1
Turkey	638	23.2	52.5	14.4	9.9	0.0	75.8	23.2	28.0	19.4
Ukraine	640	12.9	48.5	26.7	11.5	0.3	61.5	12.9	17.3	7.9
United States	1033	9.6	45.9	24.9	19.2	0.4	55.5	9.6	9.7	9.6
International Avg.	641	20.0	43.1	19.9	16.4	0.6	63.2	20.0	21.9	18.1
Basque Country, Spain	323	7.7	42.6	18.4	30.9	0.5	50.3	7.7	8.1	7.4
British Columbia, Canada	602	14.2	30.8	21.6	33.2	0.2	45.0	14.2	14.8	13.6
Dubai, UAE	453	15.6	46.2	18.5	18.6	1.0	61.9	15.6	13.4	18.1
Massachusetts, US	269	13.6	53.5	17.8	14.8	0.3	67.1	13.6	11.6	15.3
Minnesota, US	253	12.3	47.4	30.0	9.8	0.5	59.7	12.3	13.7	10.8
Ontario, Canada	499	10.5	40.8	21.7	27.1	0.0	51.2	10.5	10.3	10.6
Quebec, Canada	573	17.7	59.1	9.0	13.1	1.2	76.8	17.7	15.9	19.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032007 - S09_04)
 Label: One function of the uterus
 Type: CR Key: -

COUNTRY	N	10	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	735	19.2	2.4	12.1	1.7	31.2	30.0	3.4	21.6	26.7	16.7
Armenia	684	18.5	17.7	0.6	0.3	24.2	38.7	0.1	36.2	36.8	35.6
Australia	578	57.9	0.2	12.9	2.4	6.5	20.1	0.0	58.1	59.6	56.7
Bahrain	618	46.8	1.4	19.5	3.2	10.7	17.3	1.2	48.2	68.8	28.4
Bosnia and Herzegovina	608	38.3	1.1	13.8	0.7	9.5	36.4	0.2	39.4	42.1	36.8
Botswana	596	35.6	0.3	16.9	3.8	32.6	8.4	2.3	36.0	45.2	26.6
Bulgaria	443	39.7	5.5	19.2	0.5	6.9	28.2	0.0	45.2	54.4	37.9
Chinese Taipei	581	56.4	0.2	28.9	0.3	5.1	9.1	0.0	56.6	62.8	50.0
Colombia	692	28.2	0.8	8.5	5.0	20.4	31.5	5.7	29.0	25.4	32.9
Cyprus	629	14.2	0.3	29.4	0.9	13.1	41.5	0.5	14.6	15.2	13.9
Czech Republic	691	54.5	1.2	20.6	2.7	5.6	15.5	0.0	55.6	61.8	50.5
Egypt	933	56.6	0.7	7.6	1.0	16.6	17.4	0.1	57.3	65.1	49.7
El Salvador	578	15.2	0.4	12.8	0.9	21.7	45.7	3.3	15.6	19.0	12.1
England	569	60.2	0.9	16.6	0.6	9.8	11.7	0.2	61.1	65.0	57.0
Georgia	594	23.6	2.2	14.3	0.0	14.5	44.5	1.0	25.8	30.9	20.3
Ghana	760	21.0	0.1	4.0	1.6	30.3	41.0	2.0	21.2	20.7	21.7
Hong Kong SAR	498	43.8	1.2	22.6	1.9	20.4	10.1	0.0	45.0	46.9	43.2
Hungary	591	28.9	1.6	6.0	0.1	27.2	36.0	0.1	30.5	32.8	28.1
Indonesia	596	25.5	0.6	14.8	0.7	42.6	15.1	0.7	26.1	29.5	22.6
Iran, Islamic Rep. of	577	34.2	1.8	13.6	1.4	13.9	34.6	0.6	35.9	35.9	35.9
Israel	463	59.3	1.2	5.5	0.2	11.0	21.2	1.6	60.5	65.8	54.4
Italy	636	40.1	0.4	18.4	2.4	7.7	30.4	0.6	40.5	44.2	37.0
Japan	610	52.5	0.5	12.3	0.6	17.1	16.4	0.5	53.1	56.9	49.6
Jordan	747	46.9	1.6	5.8	1.4	31.0	13.0	0.2	48.5	52.7	44.5
Korea, Rep. of	606	52.7	0.2	31.8	1.7	6.3	7.4	0.0	52.9	52.2	53.5
Kuwait	578	31.7	5.6	21.6	1.8	18.9	19.6	0.7	37.3	43.9	29.3
Lebanon	541	19.6	0.5	5.3	2.5	16.6	53.4	2.1	20.1	22.0	17.9
Lithuania	567	47.1	0.6	16.0	0.4	8.3	27.5	0.0	47.7	50.6	44.9
Malaysia	634	16.9	0.6	21.3	2.3	34.6	23.3	1.1	17.5	20.4	14.3
Malta	663	39.1	0.1	6.0	0.2	21.7	32.6	0.3	39.2	41.9	36.5
Morocco	436	27.3	9.6	9.3	0.3	27.3	24.8	1.3	36.9	40.5	31.5
Norway	676	47.1	0.1	13.1	0.0	16.7	22.8	0.2	47.2	49.4	45.0
Oman	689	31.1	1.5	18.3	1.9	28.3	17.5	1.3	32.6	41.5	23.9
Palestinian Nat'l Auth.	631	32.9	4.4	14.1	0.7	31.2	16.3	0.4	37.3	46.6	28.2
Qatar	1018	11.3	1.7	14.3	3.0	28.3	41.2	0.2	13.0	16.0	9.9
Romania	602	35.3	0.6	3.6	1.8	24.4	34.0	0.3	35.9	43.1	29.2
Russian Federation	650	44.0	0.5	21.1	1.1	5.6	27.3	0.5	44.5	47.8	41.0
Saudi Arabia	601	25.3	1.8	18.0	6.2	26.2	22.0	0.4	27.2	36.6	18.5
Scotland	560	46.9	0.3	14.4	0.8	11.2	25.6	0.8	47.3	48.7	45.8
Serbia	588	36.8	2.3	14.7	0.7	6.9	38.7	0.0	39.1	44.7	33.5
Singapore	658	67.7	0.5	10.6	0.7	12.2	8.1	0.2	68.2	74.6	62.7
Slovenia	588	61.8	0.0	12.1	0.0	12.2	13.9	0.0	61.8	69.7	54.2
Sweden	751	53.1	1.9	11.6	0.0	10.9	22.5	0.0	55.0	60.6	50.2
Syrian Arab Republic	666	66.4	0.6	12.5	0.5	6.0	13.5	0.4	67.0	68.8	65.0
Thailand	774	26.4	1.9	28.0	1.6	26.9	14.6	0.6	28.3	30.0	26.4
Tunisia	589	17.0	1.5	17.6	1.2	32.6	27.7	2.4	18.5	16.0	20.9
Turkey	638	26.4	2.0	18.5	1.4	17.9	33.8	0.0	28.4	31.3	26.1
Ukraine	640	17.5	2.5	26.6	1.9	16.1	34.8	0.6	20.1	24.3	15.3
United States	1033	48.3	0.6	22.2	3.4	11.1	14.0	0.4	48.9	52.5	45.4
International Avg.	640	37.7	1.8	15.1	1.4	18.1	25.1	0.8	39.5	43.6	35.3
Basque Country, Spain	323	42.3	0.0	7.8	2.3	17.4	29.7	0.5	42.3	48.3	37.4
British Columbia, Canada	602	51.0	0.2	12.2	4.1	14.0	18.2	0.2	51.3	53.5	48.9
Dubai, UAE	453	34.2	1.2	14.0	5.2	16.5	27.9	1.0	35.4	41.4	28.9
Massachusetts, US	269	55.1	0.6	26.7	1.9	6.5	8.9	0.3	55.6	57.5	54.1
Minnesota, US	253	57.4	1.3	22.4	1.9	9.8	6.8	0.5	58.7	63.4	53.5
Ontario, Canada	499	49.7	0.7	16.0	3.3	13.4	16.8	0.0	50.4	49.5	51.3
Quebec, Canada	573	38.4	1.1	19.6	1.5	13.4	24.6	1.3	39.5	43.8	35.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S032502 - S09_05)
 Label: Diagram representing water molecules
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	772	29.7	29.1	10.8	29.7	20.7	6.3	3.3	28.5	30.9
Armenia	683	51.0	17.0	2.6	51.0	17.0	12.3	0.1	47.9	54.1
Australia	578	36.6	32.2	4.0	36.6	25.9	1.2	0.0	34.7	38.5
Bahrain	618	29.8	21.8	13.8	29.8	29.9	3.5	1.2	35.1	24.7
Bosnia and Herzegovina	608	46.3	22.8	7.8	46.3	15.9	6.9	0.2	45.1	47.4
Botswana	596	13.6	57.8	7.5	13.6	15.6	2.8	2.8	10.4	16.9
Bulgaria	443	48.9	17.7	5.8	48.9	21.7	5.8	0.1	49.6	48.3
Chinese Taipei	581	63.1	10.4	4.1	63.1	22.3	0.1	0.0	62.3	63.8
Colombia	692	23.4	32.7	8.6	23.4	26.3	2.3	6.8	21.8	25.1
Cyprus	629	49.1	21.4	9.0	49.1	17.8	2.0	0.6	49.4	48.8
Czech Republic	691	53.6	22.7	5.8	53.6	16.3	1.6	0.0	52.3	54.8
Egypt	932	37.9	23.2	12.2	37.9	25.4	1.1	0.2	34.6	41.0
El Salvador	578	14.3	48.3	6.8	14.3	24.3	2.7	3.6	12.9	15.8
England	569	42.5	25.1	5.0	42.5	26.4	0.8	0.2	39.0	46.1
Georgia	594	37.3	34.0	5.3	37.3	19.8	2.6	1.0	38.2	36.3
Ghana	759	14.9	48.3	11.2	14.9	16.8	6.7	2.1	13.4	16.3
Hong Kong SAR	498	29.0	38.6	11.8	29.0	20.2	0.5	0.0	29.8	28.3
Hungary	591	71.1	11.0	4.1	71.1	13.3	0.4	0.1	70.5	71.7
Indonesia	600	14.8	49.9	12.2	14.8	18.8	3.7	0.7	11.7	17.9
Iran, Islamic Rep. of	577	49.7	25.8	4.5	49.7	18.5	0.4	1.1	53.2	46.8
Israel	463	38.9	26.4	8.6	38.9	19.8	4.4	1.9	40.7	36.9
Italy	636	44.2	23.0	6.7	44.2	22.3	3.2	0.6	46.3	42.3
Japan	610	75.7	6.7	3.2	75.7	12.8	1.1	0.5	74.8	76.6
Jordan	747	36.3	25.0	14.6	36.3	19.9	4.0	0.2	37.5	35.2
Korea, Rep. of	606	43.1	33.0	9.7	43.1	14.2	0.0	0.0	39.4	46.4
Kuwait	578	26.7	26.9	13.4	26.7	29.9	2.4	0.7	30.0	22.7
Lebanon	536	39.7	23.8	7.7	39.7	23.4	3.4	2.1	39.0	40.4
Lithuania	567	58.9	21.8	6.0	58.9	10.8	2.5	0.0	61.2	56.7
Malaysia	634	45.1	32.2	5.8	45.1	15.3	0.5	1.1	47.6	42.5
Malta	663	31.2	40.8	7.7	31.2	17.4	2.6	0.3	24.9	37.7
Morocco	434	38.5	25.2	7.8	38.5	23.8	3.5	1.3	39.3	37.0
Norway	676	31.7	37.1	6.0	31.7	22.4	2.3	0.4	30.2	33.3
Oman	689	21.5	37.7	11.2	21.5	25.0	3.3	1.3	22.5	20.4
Palestinian Nat'l Auth.	631	26.5	30.7	16.8	26.5	23.8	1.8	0.4	25.0	28.1
Qatar	1018	26.8	29.4	17.4	26.8	23.8	2.4	0.3	25.3	28.2
Romania	602	39.8	27.0	7.9	39.8	23.5	1.4	0.3	33.9	45.4
Russian Federation	650	66.8	12.7	5.0	66.8	13.7	1.2	0.7	65.8	67.8
Saudi Arabia	601	16.3	37.8	14.2	16.3	29.4	1.9	0.4	15.0	17.5
Scotland	560	26.8	42.7	7.0	26.8	21.9	0.9	0.8	26.6	27.1
Serbia	585	43.2	22.0	10.1	43.2	19.5	5.2	0.0	43.3	43.0
Singapore	658	56.5	17.0	4.1	56.5	21.6	0.6	0.2	60.3	53.3
Slovenia	588	71.9	8.0	4.4	71.9	14.5	1.1	0.0	68.6	75.0
Sweden	751	70.1	10.0	3.7	70.1	14.1	2.1	0.0	72.6	67.8
Syrian Arab Republic	666	24.6	22.4	28.2	24.6	22.1	2.4	0.4	22.8	26.6
Thailand	774	25.4	38.5	8.3	25.4	23.7	3.5	0.6	26.1	24.7
Tunisia	589	16.3	45.9	6.9	16.3	24.7	3.4	2.7	12.5	20.0
Turkey	638	26.0	43.1	6.4	26.0	23.7	0.8	0.0	23.9	27.6
Ukraine	640	46.9	21.0	6.3	46.9	24.3	0.9	0.6	48.6	44.8
United States	1033	51.1	21.0	6.6	51.1	19.6	1.3	0.4	50.4	51.8
International Avg.	641	39.3	28.1	8.5	39.3	20.7	2.6	0.9	38.7	39.8
Basque Country, Spain	323	55.4	19.5	3.7	55.4	18.6	2.3	0.5	49.7	60.0
British Columbia, Canada	602	37.8	33.2	5.0	37.8	22.4	1.4	0.2	38.3	37.3
Dubai, UAE	453	45.8	20.5	8.7	45.8	21.6	2.3	1.0	48.5	42.9
Massachusetts, US	269	56.7	16.1	4.0	56.7	21.8	1.0	0.3	54.6	58.5
Minnesota, US	253	50.0	24.6	4.4	50.0	20.1	0.5	0.5	45.2	55.4
Ontario, Canada	499	21.6	45.2	6.0	21.6	26.4	0.8	0.0	21.9	21.2
Quebec, Canada	573	35.7	29.5	7.5	35.7	24.1	1.8	1.4	33.9	37.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S032679 - S09_06)
 Label: Energy released during a reaction
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	733	4.5	2.4	0.8	0.8	3.3	1.2	27.3	55.9	3.8	8.5	8.2	8.8
Armenia	683	21.8	0.4	2.5	7.3	1.9	4.9	18.4	42.7	0.1	32.0	34.6	29.5
Australia	578	11.0	7.1	3.4	0.5	25.0	11.1	23.8	18.1	0.0	22.0	16.4	27.6
Bahrain	618	3.3	2.2	4.6	2.7	11.4	2.5	36.9	35.1	1.3	12.8	16.1	9.6
Bosnia and Herzegovina	608	8.4	0.4	4.8	0.8	2.0	0.2	25.7	57.5	0.2	14.4	12.9	15.7
Botswana	596	1.8	1.4	2.3	0.7	1.4	1.2	66.6	21.1	3.5	6.2	7.4	4.9
Bulgaria	443	13.9	0.4	3.2	0.6	2.9	0.5	21.0	57.4	0.1	18.1	19.9	16.7
Chinese Taipei	581	32.0	1.8	5.6	1.8	2.3	2.0	30.4	23.9	0.0	41.3	44.5	38.0
Colombia	692	1.0	1.3	0.6	0.0	1.5	0.3	39.6	48.9	6.9	2.8	1.2	4.7
Cyprus	629	2.4	4.0	2.7	0.0	7.4	2.6	23.0	57.2	0.6	9.1	7.8	10.5
Czech Republic	691	9.4	4.8	11.2	2.9	7.5	0.9	27.6	35.7	0.0	28.3	26.8	29.6
Egypt	932	11.7	1.2	0.4	0.2	1.6	0.8	46.7	37.1	0.2	13.5	14.7	12.4
El Salvador	578	1.3	1.4	1.2	0.3	1.3	0.1	43.1	47.3	4.0	4.3	3.3	5.3
England	569	11.1	3.1	4.7	0.8	36.1	11.3	21.6	11.0	0.2	19.7	17.0	22.5
Georgia	594	5.9	0.3	0.4	0.8	1.0	0.1	11.5	79.1	1.0	7.3	8.0	6.6
Ghana	760	3.6	0.0	1.1	0.4	1.2	0.8	37.9	52.6	2.3	5.2	4.1	6.2
Hong Kong SAR	498	11.6	2.6	3.1	1.3	6.2	1.0	53.1	21.0	0.0	18.6	18.0	19.2
Hungary	591	16.8	1.2	1.0	1.1	2.9	0.0	42.1	34.8	0.1	20.0	18.5	21.7
Indonesia	600	2.3	0.1	0.6	0.8	0.3	0.0	65.4	29.5	0.9	3.9	4.6	3.2
Iran, Islamic Rep. of	577	11.4	2.2	0.8	8.7	2.6	1.9	25.8	45.4	1.1	23.2	26.7	20.2
Israel	463	7.7	1.4	0.8	0.3	2.2	0.0	26.8	58.9	1.9	10.3	10.6	9.9
Italy	636	11.0	2.5	3.8	2.8	2.6	0.2	25.9	50.7	0.6	20.0	16.5	23.2
Japan	610	8.9	0.8	8.0	0.0	3.0	3.7	36.3	38.7	0.5	17.8	18.7	16.9
Jordan	747	11.0	1.6	5.4	1.2	7.7	0.3	45.9	26.7	0.2	19.2	21.0	17.6
Korea, Rep. of	606	8.9	1.7	1.4	0.5	6.5	3.0	52.6	25.5	0.0	12.4	9.9	14.7
Kuwait	578	1.3	1.8	1.8	3.7	3.2	1.1	33.7	52.5	0.9	8.6	10.0	6.9
Lebanon	540	4.3	0.7	1.3	1.4	5.6	2.4	28.6	53.6	2.1	7.7	7.8	7.5
Lithuania	567	12.7	4.7	1.8	0.0	2.2	1.5	32.2	44.9	0.0	19.2	17.1	21.1
Malaysia	634	4.7	2.5	2.2	1.3	5.4	3.6	49.1	30.2	1.1	10.7	10.2	11.2
Malta	661	8.2	4.1	4.5	1.5	10.2	6.3	27.9	36.9	0.3	18.4	16.6	20.2
Morocco	437	1.9	0.4	0.8	2.6	6.6	4.6	19.2	62.7	1.3	5.7	4.7	7.0
Norway	676	2.1	4.6	5.6	0.6	3.8	1.5	39.9	41.6	0.4	12.8	11.6	14.1
Oman	689	9.4	2.0	2.0	1.5	4.3	2.7	48.8	28.0	1.3	14.9	18.7	11.2
Palestinian Nat'l Auth.	629	5.6	0.5	2.5	2.9	2.8	0.6	56.6	28.1	0.4	11.5	12.5	10.6
Qatar	1018	1.4	3.6	2.3	1.4	3.7	1.5	39.9	45.8	0.4	8.7	10.4	7.1
Romania	602	11.9	0.3	0.5	0.0	1.3	0.1	24.2	61.4	0.3	12.7	12.5	12.9
Russian Federation	650	14.5	1.5	2.0	1.7	2.0	0.5	33.3	43.6	0.8	19.7	17.1	22.4
Saudi Arabia	601	2.9	2.5	4.4	1.6	12.0	0.7	40.9	34.5	0.5	11.4	13.2	9.8
Scotland	560	10.9	4.6	5.1	0.1	28.4	13.4	14.7	22.1	0.8	20.6	19.2	22.2
Serbia	588	9.5	1.3	2.0	0.3	6.4	0.1	17.4	62.6	0.3	13.1	12.0	14.2
Singapore	658	21.9	3.5	9.4	0.6	13.4	6.4	32.3	12.2	0.2	35.4	31.5	38.8
Slovenia	588	24.3	2.6	8.9	0.4	5.7	6.6	36.1	15.3	0.0	36.2	35.1	37.3
Sweden	751	8.0	2.9	5.0	1.9	5.1	2.3	25.6	49.2	0.0	17.8	14.3	20.9
Syrian Arab Republic	664	10.9	2.1	4.2	0.4	13.1	2.5	24.2	42.1	0.4	17.7	15.2	20.5
Thailand	774	6.4	0.3	5.2	0.7	10.6	1.5	46.1	28.3	0.9	12.6	13.7	11.5
Tunisia	589	3.1	0.5	1.6	0.8	1.2	0.2	38.8	51.1	2.7	6.0	5.5	6.5
Turkey	638	12.0	0.0	1.0	0.2	2.8	2.6	43.0	38.3	0.0	13.2	12.0	14.2
Ukraine	640	10.1	2.1	3.4	4.1	2.1	0.6	29.7	47.3	0.6	19.8	20.2	19.3
United States	1033	8.5	6.7	8.4	1.1	22.3	11.2	28.2	13.3	0.4	24.6	20.4	28.7
International Avg.	640	9.0	2.1	3.3	1.4	6.5	2.6	34.4	39.9	0.9	15.7	15.3	16.1
Basque Country, Spain	323	5.2	0.7	0.7	0.9	1.4	0.3	44.5	45.8	0.5	7.5	7.4	7.6
British Columbia, Canada	602	6.4	9.8	7.6	1.1	21.0	5.9	23.7	24.3	0.2	24.9	21.1	28.8
Dubai, UAE	453	8.8	4.3	5.9	2.5	12.3	5.8	30.5	29.0	1.0	21.4	18.9	24.0
Massachusetts, US	269	12.9	6.3	8.3	0.9	21.8	11.3	29.2	9.0	0.3	28.4	22.9	33.1
Minnesota, US	253	6.4	10.1	9.4	2.1	23.3	10.3	29.1	8.9	0.5	28.0	23.2	33.3
Ontario, Canada	499	7.3	12.3	10.2	3.2	17.8	4.0	26.7	18.7	0.0	32.9	36.1	29.7
Quebec, Canada	573	6.7	7.1	2.7	0.1	18.7	4.3	32.7	26.3	1.4	16.6	14.5	18.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S032184 - S09_07)
 Label: Bulbs in series/parallel circuit
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	35.3	21.2	16.3	16.6	35.3	6.4	4.2	35.7	34.9
Armenia	678	58.0	10.8	6.9	14.1	58.0	9.9	0.2	60.9	55.2
Australia	578	43.1	27.8	16.6	11.4	43.1	1.0	0.0	44.4	41.7
Bahrain	618	43.9	22.9	19.5	10.4	43.9	1.7	1.5	54.9	33.3
Bosnia and Herzegovina	608	41.8	18.4	19.9	14.8	41.8	4.9	0.2	46.6	37.3
Botswana	596	42.2	14.7	15.5	19.9	42.2	1.8	5.8	43.0	41.3
Bulgaria	443	40.1	20.5	19.8	14.2	40.1	5.2	0.2	39.6	40.4
Chinese Taipei	.	.	.	.	.	.	.	.	.	.
Colombia	692	32.9	18.3	21.7	16.7	32.9	1.8	8.6	33.3	32.6
Cyprus	629	47.0	17.3	20.8	13.6	47.0	0.6	0.6	50.3	43.6
Czech Republic	691	51.4	19.9	13.0	13.8	51.4	1.9	0.0	54.1	49.2
Egypt	931	36.7	18.0	23.0	21.4	36.7	0.7	0.3	38.7	34.8
El Salvador	578	32.9	21.0	16.9	21.9	32.9	3.0	4.3	32.6	33.2
England	569	55.5	20.7	11.4	11.5	55.5	0.6	0.2	57.9	53.0
Georgia	594	36.2	24.6	17.3	15.6	36.2	4.4	1.8	36.2	36.3
Ghana	760	29.9	19.7	22.0	23.4	29.9	1.7	3.2	30.2	29.7
Hong Kong SAR	498	47.9	18.1	20.8	12.2	47.9	0.8	0.2	53.5	42.6
Hungary	591	52.0	16.5	12.7	13.1	52.0	5.4	0.3	59.1	44.3
Indonesia	600	33.6	22.6	25.1	16.7	33.6	0.9	1.1	30.4	37.0
Iran, Islamic Rep. of	577	40.9	19.7	19.0	17.7	40.9	1.1	1.7	45.0	37.5
Israel	463	45.9	19.1	18.7	10.4	45.9	3.4	2.5	46.1	45.6
Italy	626	39.9	20.1	23.9	12.2	39.9	2.7	1.2	44.8	35.4
Japan	610	64.5	15.0	10.0	8.4	64.5	1.2	0.9	72.4	57.3
Jordan	746	40.8	24.5	15.9	17.2	40.8	1.4	0.3	51.9	30.2
Korea, Rep. of	606	73.8	7.7	8.2	10.2	73.8	0.2	0.0	76.5	71.4
Kuwait	578	36.0	22.3	23.2	15.6	36.0	1.7	1.2	40.5	30.5
Lebanon	519	48.8	14.2	17.0	14.7	48.8	3.3	2.1	52.4	44.8
Lithuania	564	36.4	24.0	25.4	11.9	36.4	2.4	0.0	39.1	33.6
Malaysia	634	46.7	24.8	16.3	10.0	46.7	1.2	1.1	52.9	40.0
Malta	661	51.9	15.1	17.6	13.7	51.9	1.0	0.6	52.8	51.0
Morocco	.	.	.	.	.	.	.	.	.	.
Norway	676	34.2	25.0	20.0	18.3	34.2	2.1	0.4	36.5	31.8
Oman	689	44.1	19.4	16.6	17.5	44.1	0.9	1.6	49.9	38.4
Palestinian Nat'l Auth.	630	30.3	22.8	22.4	22.6	30.3	1.4	0.4	32.8	28.0
Qatar	1018	25.1	24.8	27.1	20.3	25.1	2.2	0.5	27.8	22.5
Romania	600	50.7	17.5	17.1	13.2	50.7	1.1	0.4	56.0	45.7
Russian Federation	650	50.0	16.7	16.6	11.9	50.0	2.9	1.9	52.9	47.0
Saudi Arabia	599	31.7	27.6	21.4	17.5	31.7	0.8	0.9	36.5	27.3
Scotland	560	48.2	22.3	17.8	9.3	48.2	1.7	0.8	53.2	42.8
Serbia	574	37.6	17.6	22.4	16.5	37.6	5.0	0.9	41.6	33.5
Singapore	658	65.2	14.9	11.2	8.0	65.2	0.3	0.4	68.7	62.2
Slovenia	588	33.6	29.0	21.0	13.2	33.6	3.1	0.1	37.9	29.4
Sweden	751	42.4	25.2	17.8	11.4	42.4	3.1	0.0	46.8	38.6
Syrian Arab Republic	664	35.9	21.7	18.8	19.2	35.9	3.8	0.6	36.0	35.8
Thailand	774	30.5	32.3	23.5	11.6	30.5	1.1	0.9	32.5	28.4
Tunisia	589	41.6	17.6	11.5	16.9	41.6	9.0	3.5	43.5	39.7
Turkey	638	43.6	20.9	20.4	14.1	43.6	0.9	0.2	48.8	39.3
Ukraine	640	48.2	17.6	16.2	15.7	48.2	1.6	0.7	49.5	46.7
United States	1033	45.1	22.5	19.6	11.5	45.1	0.5	0.7	50.5	39.9
International Avg.	646	43.1	20.3	18.2	14.7	43.1	2.4	1.3	46.3	39.9
Basque Country, Spain	323	50.4	27.7	11.8	7.3	50.4	2.4	0.5	56.8	45.1
British Columbia, Canada	602	32.8	32.5	20.4	12.5	32.8	1.1	0.7	34.0	31.5
Dubai, UAE	453	47.4	17.4	16.4	11.8	47.4	6.0	1.0	49.0	45.7
Massachusetts, US	269	38.3	28.1	18.3	13.1	38.3	1.9	0.3	40.3	36.6
Minnesota, US	.	.	.	.	.	.	.	.	.	.
Ontario, Canada	499	42.7	25.1	18.5	11.9	42.7	1.7	0.0	49.5	36.1
Quebec, Canada	573	37.7	27.1	18.6	13.1	37.7	2.1	1.4	37.1	38.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S032394 - S09_08)
 Label: Heat conduction through copper rod
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	21.4	12.8	11.6	21.4	45.9	3.9	4.4	20.7	22.1
Armenia	682	70.9	5.5	7.9	70.9	7.4	8.2	0.2	68.5	73.2
Australia	578	42.9	26.1	15.5	42.9	13.8	1.5	0.1	39.4	46.4
Bahrain	618	45.1	12.5	9.2	45.1	30.1	1.6	1.5	50.8	39.6
Bosnia and Herzegovina	608	50.3	27.8	5.3	50.3	13.5	2.9	0.2	53.9	47.0
Botswana	596	39.7	22.3	19.0	39.7	10.3	2.0	6.6	37.2	42.2
Bulgaria	443	64.3	14.4	9.8	64.3	7.4	4.0	0.2	62.3	65.8
Chinese Taipei	581	90.5	3.6	1.2	90.5	4.4	0.2	0.0	91.9	89.1
Colombia	692	40.6	20.8	22.7	40.6	5.8	1.0	9.1	34.8	46.9
Cyprus	630	33.0	24.3	8.1	33.0	33.4	0.5	0.6	32.8	33.3
Czech Republic	691	49.7	12.4	4.8	49.7	32.5	0.5	0.0	42.1	56.1
Egypt	930	54.5	20.6	14.4	54.5	10.0	0.3	0.3	55.3	53.7
El Salvador	578	30.9	30.4	26.3	30.9	5.1	2.9	4.3	26.1	35.9
England	569	56.0	12.6	19.7	56.0	10.8	0.8	0.2	58.3	53.6
Georgia	594	56.1	22.7	6.6	56.1	10.9	1.8	1.8	56.9	55.3
Ghana	760	40.8	19.6	22.9	40.8	11.6	1.7	3.5	36.0	45.1
Hong Kong SAR	498	69.3	16.1	3.5	69.3	10.6	0.3	0.2	70.7	68.0
Hungary	591	65.4	6.4	4.1	65.4	22.6	1.2	0.3	63.1	67.9
Indonesia	600	36.3	6.0	39.1	36.3	16.9	0.6	1.1	34.5	38.2
Iran, Islamic Rep. of	577	49.6	14.9	10.1	49.6	22.9	0.7	1.7	47.0	51.7
Israel	463	44.1	33.9	7.9	44.1	10.5	1.1	2.5	42.0	46.6
Italy	635	41.3	37.7	12.0	41.3	6.0	1.8	1.2	38.1	44.3
Japan	610	72.3	11.2	6.3	72.3	8.6	0.4	1.3	71.1	73.4
Jordan	747	60.7	17.9	8.7	60.7	11.5	1.0	0.3	63.7	57.9
Korea, Rep. of	606	76.1	11.7	3.3	76.1	8.9	0.0	0.0	78.4	74.1
Kuwait	578	37.7	18.2	13.3	37.7	27.4	2.2	1.2	41.7	32.7
Lebanon	538	30.5	26.9	28.7	30.5	9.7	2.2	2.1	36.2	24.2
Lithuania	566	43.9	41.0	9.5	43.9	3.4	2.0	0.2	41.7	46.1
Malaysia	634	37.0	35.1	7.1	37.0	18.7	1.0	1.1	38.3	35.5
Malta	662	38.0	20.9	24.7	38.0	14.2	1.5	0.6	40.2	35.8
Morocco	432	21.7	15.4	7.6	21.7	51.1	2.8	1.4	22.4	20.8
Norway	676	29.6	36.5	12.8	29.6	18.9	1.8	0.4	25.9	33.5
Oman	689	46.6	30.1	9.2	46.6	11.5	1.0	1.6	50.0	43.3
Palestinian Nat'l Auth.	630	56.3	18.9	11.1	56.3	12.3	0.9	0.4	60.3	52.4
Qatar	1018	39.2	15.9	18.4	39.2	24.9	1.1	0.6	44.4	34.0
Romania	602	65.8	9.6	16.1	65.8	6.7	1.3	0.4	64.8	66.8
Russian Federation	650	84.9	3.7	3.6	84.9	3.9	1.9	2.0	84.1	85.7
Saudi Arabia	601	29.9	20.5	14.0	29.9	34.0	0.5	1.1	30.1	29.8
Scotland	560	46.3	19.3	18.5	46.3	14.4	0.7	0.8	43.7	49.1
Serbia	580	46.4	37.4	4.1	46.4	9.1	2.2	0.8	48.0	44.8
Singapore	658	55.4	14.1	13.4	55.4	16.5	0.3	0.4	56.3	54.6
Slovenia	588	48.9	33.4	9.2	48.9	6.4	1.9	0.1	48.2	49.5
Sweden	751	70.0	15.6	5.5	70.0	7.6	1.3	0.0	68.0	71.8
Syrian Arab Republic	666	25.6	28.2	10.0	25.6	34.6	0.9	0.6	25.4	25.9
Thailand	774	39.6	10.1	30.9	39.6	17.7	0.8	0.9	42.1	37.0
Tunisia	589	11.9	25.5	4.6	11.9	52.9	1.7	3.5	12.6	11.2
Turkey	638	36.9	19.5	7.9	36.9	35.0	0.6	0.2	35.8	37.7
Ukraine	640	79.0	9.4	3.1	79.0	7.2	0.4	0.9	79.6	78.3
United States	1033	37.8	25.2	21.5	37.8	13.9	0.8	0.7	35.8	39.8
International Avg.	641	48.2	19.9	12.3	48.2	16.8	1.5	1.3	48.0	48.3
Basque Country, Spain	323	52.4	24.2	11.1	52.4	10.3	1.5	0.5	43.9	59.4
British Columbia, Canada	602	24.3	34.3	25.7	24.3	13.1	2.0	0.7	22.8	25.8
Dubai, UAE	452	44.2	17.3	19.0	44.2	14.7	3.9	1.0	43.2	45.3
Massachusetts, US	269	48.1	17.9	12.7	48.1	20.0	1.1	0.3	46.1	49.7
Minnesota, US	253	41.4	18.9	18.7	41.4	20.1	0.5	0.5	40.1	42.7
Ontario, Canada	499	29.5	28.9	25.0	29.5	14.6	1.7	0.2	21.9	36.9
Quebec, Canada	573	45.2	22.5	19.9	45.2	10.1	0.9	1.4	43.7	46.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S032151 - S09_09)
 Label: Major cause of tides
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	23.0	18.4	23.0	24.0	25.2	4.1	5.3	22.3	23.6
Armenia	682	41.2	13.4	41.2	15.2	16.1	13.6	0.4	37.8	44.6
Australia	578	51.8	6.0	51.8	17.9	23.1	1.0	0.1	44.0	59.6
Bahrain	618	39.9	15.9	39.9	12.3	29.2	1.1	1.5	42.1	37.7
Bosnia and Herzegovina	608	65.6	8.6	65.6	5.5	17.4	2.6	0.2	60.6	70.2
Botswana	596	12.6	30.4	12.6	18.0	29.2	1.9	7.9	13.7	11.4
Bulgaria	443	59.5	9.1	59.5	12.2	16.7	2.2	0.2	55.9	62.4
Chinese Taipei	581	48.1	23.8	48.1	14.9	13.0	0.2	0.0	39.3	57.3
Colombia	692	12.9	7.1	12.9	20.0	49.3	1.2	9.6	7.5	18.7
Cyprus	630	13.7	9.5	13.7	56.0	19.1	1.1	0.6	12.0	15.5
Czech Republic	691	60.8	5.7	60.8	10.1	22.4	1.1	0.0	53.5	66.9
Egypt	930	55.7	10.8	55.7	12.5	19.9	0.8	0.3	59.4	52.1
El Salvador	578	20.6	15.7	20.6	23.3	32.1	3.3	5.0	15.7	25.7
England	569	47.4	5.0	47.4	19.0	27.6	0.7	0.2	41.4	53.7
Georgia	594	22.8	18.0	22.8	24.1	30.4	2.8	2.0	25.0	20.6
Ghana	760	19.5	25.1	19.5	21.9	25.6	4.2	3.7	19.1	19.9
Hong Kong SAR	498	43.4	29.1	43.4	12.9	14.2	0.2	0.2	29.4	56.4
Hungary	591	35.8	23.0	35.8	26.1	13.6	1.1	0.5	24.7	47.6
Indonesia	600	21.6	23.5	21.6	18.8	34.4	0.5	1.3	18.3	25.0
Iran, Islamic Rep. of	577	45.9	18.4	45.9	9.0	24.4	0.7	1.7	46.6	45.2
Israel	463	26.4	17.1	26.4	22.4	28.2	3.4	2.5	24.6	28.5
Italy	630	56.5	5.3	56.5	20.4	15.3	1.3	1.2	49.0	63.5
Japan	610	41.2	26.0	41.2	11.0	20.4	0.2	1.3	32.7	48.9
Jordan	747	52.7	9.5	52.7	15.8	20.6	1.1	0.3	55.1	50.4
Korea, Rep. of	606	53.2	18.2	53.2	17.0	11.3	0.4	0.0	49.3	56.7
Kuwait	578	24.2	15.7	24.2	7.8	49.4	1.4	1.6	18.8	30.7
Lebanon	532	13.0	24.7	13.0	30.6	22.3	7.1	2.4	12.3	13.8
Lithuania	565	48.5	7.3	48.5	35.9	6.9	1.2	0.2	42.1	54.8
Malaysia	634	27.5	22.3	27.5	9.5	37.8	1.5	1.4	21.5	33.8
Malta	662	25.4	14.6	25.4	33.9	24.0	1.5	0.6	16.6	34.3
Morocco	433	20.9	20.1	20.9	10.6	44.7	1.9	1.7	19.2	23.3
Norway	676	55.9	19.8	55.9	9.9	12.2	1.6	0.5	53.0	59.1
Oman	689	46.2	16.9	46.2	11.3	22.6	0.9	2.0	47.1	45.3
Palestinian Nat'l Auth.	631	24.4	24.2	24.4	21.9	28.0	0.8	0.6	20.8	27.9
Qatar	1018	28.3	23.3	28.3	11.7	33.9	2.3	0.6	25.0	31.6
Romania	602	27.8	17.0	27.8	24.6	29.1	1.0	0.4	26.1	29.4
Russian Federation	650	55.0	5.4	55.0	12.1	24.6	0.7	2.1	49.2	61.2
Saudi Arabia	599	17.4	20.3	17.4	32.5	27.0	1.5	1.2	10.5	23.7
Scotland	560	38.1	8.1	38.1	29.8	22.7	0.3	1.0	30.7	45.9
Serbia	582	48.1	14.8	48.1	10.2	25.1	1.0	0.8	45.6	50.6
Singapore	658	45.7	5.9	45.7	29.2	18.9	0.0	0.4	40.0	50.5
Slovenia	588	78.4	9.4	78.4	3.5	7.4	1.1	0.1	72.6	84.0
Sweden	751	62.4	15.7	62.4	12.1	8.9	0.9	0.0	56.2	67.7
Syrian Arab Republic	666	56.2	13.2	56.2	13.2	15.3	1.5	0.6	54.1	58.5
Thailand	774	48.0	10.9	48.0	14.2	25.2	0.7	1.0	46.3	49.7
Tunisia	589	13.9	17.7	13.9	13.5	49.1	2.1	3.7	10.6	17.1
Turkey	638	33.1	16.0	33.1	17.6	31.9	1.3	0.2	29.5	36.0
Ukraine	640	43.2	3.4	43.2	11.4	39.4	1.6	1.0	34.2	53.5
United States	1033	55.1	6.0	55.1	21.3	15.8	0.9	0.9	49.3	60.8
International Avg.	641	38.9	15.2	38.9	18.1	24.5	1.7	1.5	34.9	43.0
Basque Country, Spain	323	58.4	7.1	58.4	9.3	23.9	0.9	0.5	43.4	70.5
British Columbia, Canada	602	54.0	5.2	54.0	22.3	16.4	1.3	0.7	49.9	58.3
Dubai, UAE	452	48.4	8.6	48.4	16.3	22.6	3.1	1.1	49.1	47.7
Massachusetts, US	269	71.5	4.2	71.5	13.1	9.8	1.1	0.3	63.8	78.1
Minnesota, US	253	57.6	6.1	57.6	18.5	16.8	0.5	0.5	51.3	64.7
Ontario, Canada	499	41.0	7.5	41.0	24.7	24.1	2.4	0.2	32.7	49.2
Quebec, Canada	573	35.2	13.9	35.2	33.3	14.9	1.2	1.5	30.6	39.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S032651A - S09_10A)
 Label: Topographic map/ identify X
 Type: CR Key: -

COUNTRY	N	10	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	736	7.0	2.0	3.0	42.0	40.1	6.0	7.0	6.6	7.3
Armenia	684	54.8	0.5	0.0	15.0	29.2	0.4	54.8	56.9	52.8
Australia	578	56.5	1.2	4.3	27.8	9.8	0.4	56.5	49.3	63.7
Bahrain	618	18.1	0.1	3.3	55.3	21.6	1.6	18.1	18.8	17.5
Bosnia and Herzegovina	607	33.3	0.7	3.0	25.4	36.9	0.7	33.3	29.5	36.7
Botswana	596	12.5	5.1	14.4	51.7	8.0	8.3	12.5	11.0	14.0
Bulgaria	443	38.2	2.6	4.0	17.4	37.4	0.4	38.2	39.7	37.0
Chinese Taipei	581	72.8	3.1	0.3	15.6	8.2	0.0	72.8	74.8	70.6
Colombia	692	13.7	2.1	2.8	44.0	27.0	10.4	13.7	10.0	17.7
Cyprus	630	26.2	0.2	6.6	26.2	40.0	0.8	26.2	23.0	29.5
Czech Republic	691	68.7	2.0	3.9	11.9	13.4	0.0	68.7	61.2	75.0
Egypt	933	12.4	1.8	5.5	52.6	27.1	0.6	12.4	11.5	13.3
El Salvador	578	5.3	0.5	2.6	50.0	35.5	6.1	5.3	3.5	7.2
England	569	61.0	0.6	4.5	22.8	10.9	0.2	61.0	52.8	69.3
Georgia	594	25.1	0.9	2.9	17.3	51.0	2.8	25.1	24.4	25.8
Ghana	760	3.1	1.0	8.0	54.0	29.0	5.0	3.1	2.6	3.6
Hong Kong SAR	498	58.8	1.7	0.6	28.6	10.0	0.2	58.8	55.0	62.4
Hungary	591	68.3	2.3	4.2	8.7	16.0	0.5	68.3	65.9	70.9
Indonesia	600	9.3	1.5	5.4	56.7	25.5	1.6	9.3	6.8	11.9
Iran, Islamic Rep. of	577	23.2	6.0	3.1	33.8	32.2	1.7	23.2	20.2	25.7
Israel	463	35.8	1.1	1.2	31.4	27.7	2.8	35.8	34.4	37.3
Italy	636	50.2	1.1	1.4	19.9	26.1	1.4	50.2	44.5	55.4
Japan	610	61.7	0.3	0.2	27.9	8.7	1.3	61.7	58.7	64.5
Jordan	747	23.4	9.2	9.0	39.3	18.6	0.4	23.4	22.8	24.0
Korea, Rep. of	606	64.4	0.3	0.8	26.0	8.5	0.0	64.4	61.3	67.1
Kuwait	578	12.1	1.3	0.8	51.8	32.4	1.6	12.1	14.9	8.8
Lebanon	541	10.9	1.9	2.0	44.4	37.1	3.7	10.9	9.2	12.9
Lithuania	567	53.6	2.6	6.0	18.2	19.5	0.2	53.6	48.6	58.5
Malaysia	634	34.1	0.7	1.9	45.2	16.4	1.6	34.1	30.3	38.2
Malta	662	41.9	1.5	5.7	32.9	17.4	0.6	41.9	36.0	48.0
Morocco	437	9.0	0.8	0.1	35.3	53.0	1.7	9.0	6.5	12.6
Norway	676	64.3	1.9	2.4	20.8	10.0	0.6	64.3	61.3	67.5
Oman	689	9.8	1.9	10.4	59.0	16.9	2.0	9.8	6.5	13.1
Palestinian Nat'l Auth.	631	16.7	1.7	11.7	54.3	15.0	0.6	16.7	16.0	17.5
Qatar	1018	4.9	0.5	1.4	64.2	28.3	0.7	4.9	5.4	4.4
Romania	601	34.9	1.3	4.3	21.6	37.3	0.5	34.9	25.3	44.0
Russian Federation	650	56.6	2.0	2.2	14.7	22.4	2.2	56.6	50.3	63.4
Saudi Arabia	601	21.9	1.5	2.8	52.0	20.5	1.3	21.9	24.2	19.8
Scotland	560	52.3	0.5	4.5	25.9	15.8	1.0	52.3	50.7	53.9
Serbia	588	39.7	2.0	7.0	19.0	31.3	0.9	39.7	33.1	46.4
Singapore	658	51.9	0.1	7.0	32.3	8.2	0.4	51.9	53.4	50.7
Slovenia	587	60.7	1.5	7.0	18.3	12.2	0.3	60.7	61.5	59.9
Sweden	751	47.3	2.0	2.8	28.6	19.2	0.0	47.3	44.0	50.2
Syrian Arab Republic	666	25.3	3.8	2.2	37.9	30.0	0.8	25.3	24.1	26.7
Thailand	774	26.4	3.0	5.9	41.4	22.1	1.3	26.4	22.5	30.3
Tunisia	589	11.2	0.8	2.7	50.7	30.6	4.1	11.2	9.6	12.9
Turkey	638	31.4	2.0	4.1	22.0	40.3	0.2	31.4	29.6	32.9
Ukraine	640	50.4	4.4	4.1	11.0	29.1	1.0	50.4	46.1	55.3
United States	1033	57.9	1.7	6.9	25.6	6.7	1.2	57.9	54.9	60.9
International Avg.	641	35.3	1.8	4.1	33.2	23.9	1.7	35.3	32.8	37.7
Basque Country, Spain	323	45.0	0.4	0.2	35.8	18.1	0.5	45.0	32.1	55.5
British Columbia, Canada	602	58.1	0.9	4.4	24.6	11.3	0.7	58.1	54.1	62.3
Dubai, UAE	453	32.8	2.0	6.3	31.2	26.6	1.1	32.8	29.0	37.0
Massachusetts, US	269	74.1	2.7	5.4	12.6	4.8	0.3	74.1	70.8	76.9
Minnesota, US	253	69.1	2.9	7.4	18.1	2.1	0.5	69.1	66.7	71.8
Ontario, Canada	499	49.5	0.9	4.3	30.6	14.4	0.4	49.5	40.9	57.8
Quebec, Canada	573	48.9	3.8	6.3	21.8	17.6	1.5	48.9	41.5	56.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Reasoning (S032651B - S09_10B)
 Label: Topographic map/ river path
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	740	2.4	2.2	4.9	1.1	5.0	6.4	18.7	48.9	10.4	10.7	10.4	11.0
Armenia	684	14.8	0.0	5.1	3.3	5.3	0.5	14.6	55.0	1.4	23.3	24.1	22.4
Australia	578	17.0	2.8	6.7	0.0	6.3	7.2	37.5	22.0	0.6	26.4	19.1	33.8
Bahrain	618	7.6	2.3	2.6	3.3	7.4	4.4	30.6	37.6	4.3	15.8	16.2	15.4
Bosnia and Herzegovina	608	10.0	0.4	5.2	0.0	1.0	2.8	21.7	53.3	5.5	15.7	11.3	19.6
Botswana	596	0.6	0.3	0.4	0.0	4.3	1.2	55.4	26.3	11.5	1.3	0.3	2.2
Bulgaria	443	13.6	0.7	3.7	0.0	3.7	3.4	17.4	50.7	6.9	17.9	15.4	19.9
Chinese Taipei	581	31.6	1.3	3.8	0.0	17.9	8.8	15.2	21.3	0.0	36.8	36.2	37.4
Colombia	692	1.8	0.4	1.8	0.0	2.7	4.7	38.8	35.4	14.3	4.1	2.9	5.3
Cyprus	630	5.6	1.4	3.6	2.0	6.2	6.1	21.8	49.9	3.4	12.6	12.5	12.7
Czech Republic	691	21.9	1.3	2.9	0.0	6.0	5.3	36.8	25.4	0.4	26.1	23.7	28.1
Egypt	933	2.7	1.6	3.8	0.3	2.1	2.0	35.7	49.3	2.5	8.5	9.4	7.6
El Salvador	578	1.7	0.3	1.5	0.2	1.5	0.7	26.2	56.9	11.0	3.6	3.0	4.3
England	569	17.2	2.3	5.0	0.0	9.1	4.5	44.4	16.7	0.8	24.5	20.5	28.7
Georgia	594	5.4	0.2	4.9	0.2	6.3	1.1	16.9	50.6	14.4	10.7	13.5	7.8
Ghana	760	0.2	0.3	0.4	0.0	1.4	0.6	26.9	56.7	13.4	1.0	0.4	1.5
Hong Kong SAR	498	27.2	5.5	5.2	0.0	10.5	8.0	23.3	19.9	0.4	37.9	37.5	38.2
Hungary	591	20.9	2.5	2.2	0.0	17.8	3.6	31.1	20.9	1.1	25.5	25.3	25.9
Indonesia	600	3.2	1.7	2.6	0.3	1.1	2.0	41.5	41.6	5.9	7.8	6.3	9.4
Iran, Islamic Rep. of	577	8.8	1.9	4.4	0.6	5.1	2.1	20.4	52.9	3.7	15.8	13.2	18.0
Israel	463	11.2	0.3	4.5	0.0	1.9	2.5	19.2	54.3	6.0	16.0	15.8	16.2
Italy	636	10.2	0.4	13.1	3.8	9.1	5.8	22.8	31.8	3.0	27.6	22.7	32.0
Japan	610	41.1	3.0	1.9	0.0	5.5	2.6	30.1	13.2	2.6	46.0	43.7	48.0
Jordan	747	5.0	2.0	3.5	0.3	14.6	2.0	38.7	32.3	1.6	10.8	8.6	12.9
Korea, Rep. of	606	22.2	3.8	6.0	0.0	10.9	2.5	42.0	12.4	0.3	31.9	30.0	33.7
Kuwait	578	5.2	1.1	1.6	0.0	2.7	4.6	24.1	58.1	2.6	7.9	9.3	6.1
Lebanon	541	2.1	0.3	2.5	0.1	4.0	2.7	24.4	56.0	7.9	5.0	3.3	6.9
Lithuania	567	19.4	1.2	8.2	0.4	5.8	5.2	29.0	28.8	2.0	29.2	24.0	34.2
Malaysia	634	13.7	2.8	2.3	1.8	6.9	3.4	36.9	28.6	3.7	20.5	18.7	22.5
Malta	662	13.4	3.0	6.2	0.3	10.4	7.4	30.6	27.1	1.4	23.0	19.0	27.1
Morocco	437	2.4	0.6	4.1	2.7	0.0	1.6	18.3	63.7	6.5	9.9	10.0	9.7
Norway	676	18.1	0.7	9.3	0.3	8.5	4.2	41.5	16.4	1.1	28.4	28.4	28.4
Oman	689	2.1	0.2	1.0	0.1	2.1	2.1	55.2	31.7	5.4	3.5	4.9	2.1
Palestinian Nat'l Auth.	631	2.9	1.1	1.2	1.8	6.0	3.2	43.8	38.2	1.8	7.0	7.6	6.3
Qatar	1018	2.0	1.0	0.6	0.0	2.1	3.4	28.0	59.0	4.0	3.5	5.4	1.6
Romania	601	13.2	1.3	8.3	0.2	10.8	1.6	22.4	38.8	3.4	23.0	21.7	24.1
Russian Federation	650	14.7	1.2	3.8	0.0	3.2	0.9	47.3	22.5	6.4	19.7	20.3	19.2
Saudi Arabia	601	2.5	1.1	3.7	0.3	5.0	4.3	39.7	38.9	4.6	7.6	9.9	5.5
Scotland	560	13.5	0.8	3.5	0.0	7.9	6.4	36.5	29.5	1.8	17.9	17.9	17.8
Serbia	588	9.1	1.5	3.2	1.8	3.9	5.2	23.2	48.3	3.8	15.6	14.0	17.2
Singapore	658	23.6	5.5	2.1	0.0	12.2	7.6	36.1	12.1	0.8	31.2	33.5	29.3
Slovenia	587	37.4	3.0	4.0	0.3	11.7	5.8	24.4	12.9	0.5	44.7	39.7	49.5
Sweden	751	25.5	2.7	5.0	1.9	3.8	4.3	28.4	27.0	1.5	35.1	36.0	34.3
Syrian Arab Republic	666	2.2	0.7	3.5	4.5	7.8	2.4	29.3	46.3	3.3	10.8	8.6	13.3
Thailand	774	3.4	0.4	0.5	0.2	1.1	4.0	41.0	43.6	5.8	4.5	3.5	5.5
Tunisia	589	4.0	2.3	1.8	0.5	7.5	3.4	38.4	35.5	6.7	8.6	7.3	9.8
Turkey	638	7.7	4.4	2.4	0.3	2.4	1.5	40.2	38.4	2.7	14.7	13.6	15.6
Ukraine	640	7.9	1.2	1.7	7.5	5.0	2.8	30.0	39.3	4.6	18.4	16.2	20.8
United States	1033	22.1	2.9	3.7	0.0	11.4	10.4	33.8	13.9	1.9	28.7	25.3	31.9
International Avg.	641	11.7	1.6	3.8	0.8	6.2	3.9	31.2	36.5	4.3	17.9	16.7	19.0
Basque Country, Spain	323	19.1	0.6	7.1	0.0	9.4	6.7	32.1	23.7	1.3	26.8	20.5	31.9
British Columbia, Canada	602	20.1	2.0	5.1	0.2	11.8	8.2	31.9	19.6	1.2	27.4	26.0	28.8
Dubai, UAE	453	9.5	4.1	4.2	0.0	5.5	5.2	27.5	41.5	2.5	17.8	18.1	17.4
Massachusetts, US	269	35.9	4.2	2.7	0.0	13.4	14.6	20.1	7.2	2.0	42.8	34.4	49.9
Minnesota, US	253	25.1	2.8	4.5	0.0	16.5	10.0	33.5	6.4	1.2	32.4	30.4	34.7
Ontario, Canada	499	16.4	1.1	3.1	0.0	12.0	9.8	37.1	18.9	1.5	20.7	13.9	27.3
Quebec, Canada	573	11.2	1.4	5.0	0.0	11.7	3.7	39.9	24.2	2.9	17.6	16.2	19.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S032665A - S09_11A)
 Label: Population in 2 countries/predict
 Type: CR Key: -

COUNTRY	N	10	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	735	12.8	7.2	14.7	48.5	5.3	11.4	12.8	11.8	13.7
Armenia	684	45.8	2.1	7.0	29.4	14.0	1.8	45.8	45.8	45.8
Australia	578	50.2	3.3	16.8	27.4	1.2	1.0	50.2	47.0	53.5
Bahrain	618	18.6	4.4	21.5	46.4	4.1	5.1	18.6	20.4	16.9
Bosnia and Herzegovina	607	27.5	6.0	15.7	35.5	9.1	6.2	27.5	23.7	31.0
Botswana	596	6.2	3.6	15.9	44.7	11.5	18.2	6.2	6.7	5.7
Bulgaria	443	32.9	3.0	17.3	30.9	7.9	7.9	32.9	37.6	29.2
Chinese Taipei	581	51.9	6.1	17.0	23.6	1.3	0.0	51.9	48.7	55.2
Colombia	692	13.8	6.3	19.0	42.7	2.5	15.7	13.8	10.4	17.6
Cyprus	630	30.7	2.5	23.2	36.8	2.9	3.9	30.7	32.1	29.1
Czech Republic	691	45.1	4.5	21.1	25.6	2.6	1.1	45.1	37.2	51.6
Egypt	933	15.7	3.2	17.3	54.0	6.6	3.1	15.7	17.8	13.7
El Salvador	578	10.2	6.5	18.2	51.1	1.8	12.3	10.2	10.2	10.2
England	569	48.6	4.8	18.3	26.8	0.5	1.1	48.6	45.4	51.8
Georgia	594	6.0	3.9	11.3	26.4	34.7	17.7	6.0	6.4	5.5
Ghana	760	3.5	2.1	9.5	42.6	24.9	17.3	3.5	2.4	4.4
Hong Kong SAR	498	59.8	4.4	15.7	18.9	0.5	0.7	59.8	58.2	61.3
Hungary	591	42.2	4.1	22.8	28.1	1.5	1.4	42.2	39.6	44.9
Indonesia	600	9.7	4.8	14.6	56.0	7.4	7.5	9.7	10.6	8.9
Iran, Islamic Rep. of	577	26.9	10.4	20.0	37.6	1.4	3.8	26.9	26.6	27.2
Israel	463	36.7	2.0	15.6	34.6	4.8	6.3	36.7	38.3	34.9
Italy	636	43.3	3.9	14.3	32.2	2.7	3.5	43.3	40.1	46.2
Japan	610	50.1	6.0	18.6	19.8	1.9	3.6	50.1	48.0	51.9
Jordan	747	21.0	3.8	13.3	57.6	2.1	2.2	21.0	25.8	16.4
Korea, Rep. of	606	52.2	5.6	20.6	21.3	0.0	0.3	52.2	45.9	57.8
Kuwait	578	10.1	5.2	17.8	58.4	5.3	3.2	10.1	10.0	10.3
Lebanon	541	15.3	5.5	17.7	43.0	9.9	8.7	15.3	15.7	14.8
Lithuania	565	42.3	4.3	21.1	26.6	3.3	2.5	42.3	42.7	41.9
Malaysia	634	19.5	7.8	25.6	40.7	2.0	4.4	19.5	18.5	20.5
Malta	663	35.9	7.1	18.7	33.6	2.9	1.7	35.9	33.0	38.9
Morocco	437	19.0	5.9	20.1	43.5	4.0	7.5	19.0	18.7	19.6
Norway	676	39.7	6.4	18.3	31.1	3.0	1.5	39.7	37.0	42.5
Oman	689	11.5	6.1	30.8	42.3	2.9	6.4	11.5	11.3	11.6
Palestinian Nat'l Auth.	631	10.6	6.5	18.6	57.9	4.5	2.0	10.6	9.3	11.8
Qatar	1018	8.0	3.8	16.4	61.8	5.6	4.4	8.0	10.1	5.9
Romania	602	26.3	6.4	18.6	41.1	4.1	3.5	26.3	27.6	25.0
Russian Federation	650	38.6	3.5	22.5	24.0	4.4	7.0	38.6	35.7	41.7
Saudi Arabia	601	10.6	5.7	22.4	51.6	4.3	5.3	10.6	13.2	8.4
Scotland	560	41.4	4.2	20.8	29.9	1.7	2.0	41.4	41.0	41.8
Serbia	588	28.1	3.6	15.7	33.8	11.4	7.4	28.1	27.0	29.2
Singapore	658	47.6	5.4	18.7	25.8	1.6	0.8	47.6	49.0	46.5
Slovenia	587	44.4	6.0	20.6	28.2	0.4	0.5	44.4	43.3	45.3
Sweden	751	50.2	4.5	12.8	28.4	2.3	1.8	50.2	50.2	50.2
Syrian Arab Republic	666	15.3	9.8	13.3	47.1	9.3	5.2	15.3	13.2	17.6
Thailand	774	29.6	4.1	20.2	34.4	4.5	7.3	29.6	35.0	24.0
Tunisia	589	24.2	6.8	16.4	44.6	0.8	7.3	24.2	21.6	26.7
Turkey	638	32.7	5.0	18.2	36.7	4.0	3.3	32.7	32.9	32.6
Ukraine	640	25.2	4.7	24.2	33.6	6.3	6.0	25.2	22.6	28.1
United States	1033	41.7	4.1	21.2	29.0	1.8	2.3	41.7	38.3	45.0
International Avg.	641	29.2	5.0	18.2	37.3	5.2	5.2	29.2	28.4	29.9
Basque Country, Spain	323	49.3	2.6	21.0	24.0	1.0	2.1	49.3	48.8	49.8
British Columbia, Canada	602	43.4	4.8	20.0	28.7	1.3	1.8	43.4	43.9	42.9
Dubai, UAE	453	32.3	5.2	25.0	32.2	2.5	2.8	32.3	34.7	29.7
Massachusetts, US	269	51.5	3.6	14.8	25.9	2.2	2.0	51.5	43.9	58.0
Minnesota, US	253	52.9	3.0	20.1	21.7	0.7	1.6	52.9	48.0	58.2
Ontario, Canada	499	52.0	4.2	20.3	19.8	1.9	1.9	52.0	48.6	55.4
Quebec, Canada	573	48.6	4.3	16.9	26.2	1.2	2.9	48.6	44.7	52.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S032665B - S09_11B)
 Label: Population in 2 countries/land use
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	735	1.8	2.2	2.0	0.8	4.6	44.0	32.5	12.0	6.9	8.5	5.3
Armenia	684	18.0	1.1	2.8	0.5	0.0	21.7	53.3	2.7	22.3	23.2	21.4
Australia	578	25.5	10.0	2.9	0.0	19.4	24.3	16.4	1.3	38.5	41.0	36.1
Bahrain	618	4.8	5.0	4.1	1.3	16.1	38.7	24.0	6.0	15.2	20.9	9.7
Bosnia and Herzegovina	607	8.2	0.6	2.7	0.7	13.4	20.8	46.0	7.6	12.2	12.0	12.4
Botswana	596	1.8	4.7	0.4	0.2	9.5	41.1	14.6	27.7	7.2	10.9	3.4
Bulgaria	443	4.8	5.5	8.4	0.8	6.2	17.5	48.0	8.7	19.5	22.3	17.2
Chinese Taipei	581	10.3	3.3	3.8	4.7	37.6	26.2	13.9	0.2	22.1	26.7	17.3
Colombia	692	2.2	2.5	2.2	0.2	8.3	46.7	20.9	17.0	7.1	5.9	8.4
Cyprus	630	4.9	0.4	3.6	0.1	9.9	32.4	44.4	4.3	9.0	9.9	8.1
Czech Republic	691	7.0	1.8	11.4	0.6	30.6	19.5	27.3	1.7	20.9	22.2	19.8
Egypt	933	8.5	4.7	2.4	0.2	5.8	56.0	19.0	3.5	15.7	17.4	14.2
El Salvador	578	2.0	4.6	0.5	0.0	1.9	46.2	32.3	12.5	7.1	7.8	6.4
England	569	22.4	10.4	1.6	2.3	25.4	23.0	13.7	1.2	36.7	37.4	36.0
Georgia	594	1.5	1.5	0.8	0.0	6.9	16.2	48.1	25.0	3.8	5.6	1.9
Ghana	760	1.8	1.7	0.1	0.0	8.9	40.3	28.6	18.6	3.6	4.2	3.1
Hong Kong SAR	498	14.9	4.4	1.4	0.4	17.0	46.7	14.6	0.7	21.1	25.5	17.0
Hungary	591	17.8	5.3	9.8	1.9	19.3	22.8	21.6	1.5	34.7	34.5	35.0
Indonesia	600	6.4	3.6	0.1	1.0	5.0	51.6	23.8	8.6	11.1	12.2	9.9
Iran, Islamic Rep. of	577	9.1	5.0	2.5	1.1	16.0	32.6	29.5	4.2	17.7	23.3	13.0
Israel	463	17.5	4.4	4.2	0.9	11.9	21.2	32.9	7.0	27.0	26.9	27.2
Italy	636	9.7	1.3	2.5	1.0	11.3	35.1	34.9	4.3	14.5	14.7	14.4
Japan	610	25.3	3.4	2.4	0.3	16.3	30.2	18.4	3.8	31.3	37.5	25.7
Jordan	747	12.3	7.9	1.5	0.4	8.9	54.7	11.9	2.4	22.1	28.0	16.4
Korea, Rep. of	606	32.0	3.2	3.0	2.9	25.9	20.7	12.0	0.3	41.2	43.8	38.8
Kuwait	578	4.5	1.2	3.8	0.8	14.9	34.2	37.1	3.4	10.4	13.2	7.0
Lebanon	541	3.7	1.9	0.8	0.2	5.8	27.6	51.0	8.9	6.7	7.8	5.4
Lithuania	565	16.8	2.7	4.2	2.5	23.0	19.4	28.5	2.9	26.3	25.7	26.9
Malaysia	634	8.8	5.8	1.1	2.4	22.6	40.1	14.3	4.9	18.1	20.4	15.6
Malta	663	12.5	4.3	1.2	1.4	12.3	32.9	33.1	2.3	19.4	19.6	19.3
Morocco	437	4.3	3.2	2.6	0.4	7.1	33.6	41.1	7.7	10.5	12.1	8.3
Norway	676	9.7	1.8	3.0	1.2	9.0	33.3	39.3	2.6	15.7	18.4	12.9
Oman	689	3.8	6.7	1.6	1.2	4.6	58.6	16.1	7.3	13.3	18.0	8.7
Palestinian Nat'l Auth.	631	4.3	2.9	2.7	0.8	7.5	58.7	20.6	2.5	10.7	12.5	8.9
Qatar	945	0.7	1.4	0.5	0.0	4.3	44.9	43.4	4.8	2.6	3.7	1.6
Romania	602	6.1	1.1	1.7	1.5	16.9	21.1	47.8	3.7	10.5	10.6	10.3
Russian Federation	650	13.3	0.6	5.2	3.2	20.8	19.6	29.1	8.2	22.3	25.4	19.0
Saudi Arabia	601	0.8	1.2	1.1	0.3	7.7	58.2	24.8	5.9	3.3	5.1	1.7
Scotland	560	18.1	12.5	2.3	1.6	18.3	19.0	26.1	2.1	34.5	37.0	31.8
Serbia	588	7.9	2.7	1.2	0.3	11.6	16.1	51.8	8.4	12.1	14.6	9.7
Singapore	658	28.2	10.3	1.5	2.0	16.7	29.3	10.9	1.1	42.0	48.9	36.0
Slovenia	587	17.3	2.0	3.5	1.8	22.6	37.1	15.0	0.8	24.6	26.9	22.4
Sweden	751	8.6	1.2	6.4	0.8	12.6	24.1	44.2	2.1	17.0	18.3	15.9
Syrian Arab Republic	666	4.5	3.2	4.7	0.5	14.1	33.4	34.1	5.5	12.9	13.8	11.8
Thailand	774	10.5	9.9	1.8	0.9	15.8	37.6	15.9	7.7	23.1	26.3	19.7
Tunisia	589	4.7	2.7	0.4	0.4	13.6	44.9	26.0	7.3	8.2	7.5	8.9
Turkey	638	14.0	4.8	1.2	6.2	11.4	34.6	23.7	4.0	26.3	30.7	22.7
Ukraine	640	5.9	0.4	5.6	4.4	14.4	31.4	30.9	6.9	16.4	18.2	14.2
United States	1033	18.0	6.8	2.1	1.1	19.8	39.9	9.7	2.6	28.0	29.9	26.2
International Avg.	639	10.2	3.9	2.8	1.2	13.5	33.9	28.5	6.0	18.0	20.1	16.0
Basque Country, Spain	323	6.9	2.4	11.6	0.0	17.8	29.3	29.5	2.6	20.8	18.6	22.6
British Columbia, Canada	602	18.9	10.1	3.6	2.8	17.7	30.0	15.0	1.9	35.3	37.1	33.5
Dubai, UAE	453	15.7	7.1	4.8	0.1	14.3	31.7	23.5	2.8	27.7	31.2	23.8
Massachusetts, US	269	28.4	7.2	5.3	0.3	20.9	29.6	5.8	2.5	41.2	40.1	42.2
Minnesota, US	253	27.9	10.3	2.5	0.0	18.2	35.6	3.2	2.3	40.7	48.6	32.0
Ontario, Canada	499	28.7	14.7	4.4	2.8	12.5	19.1	15.4	2.4	50.5	54.6	46.6
Quebec, Canada	573	9.2	5.3	6.1	1.3	10.4	42.7	22.0	2.9	22.0	23.9	20.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S032665C - S09_11C)
 Label: Population in 2 countries/pollution
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	736	1.6	3.0	3.5	0.5	7.7	38.9	18.7	26.1	8.6	9.9	7.4
Armenia	684	14.9	0.8	0.8	3.2	0.4	15.8	37.2	26.9	19.7	20.4	19.1
Australia	578	14.6	11.2	14.2	0.4	18.7	21.2	10.3	9.5	40.4	41.9	38.8
Bahrain	618	4.6	6.3	6.2	2.1	26.7	24.2	12.1	17.7	19.3	26.2	12.6
Bosnia and Herzegovina	607	5.2	0.4	4.1	1.0	20.2	14.4	31.3	23.4	10.8	10.0	11.5
Botswana	596	1.3	4.7	0.8	0.5	7.0	43.6	8.3	33.7	7.4	11.5	3.1
Bulgaria	443	3.7	4.5	10.3	0.8	9.6	17.3	27.0	26.7	19.3	23.0	16.4
Chinese Taipei	581	5.4	2.2	15.9	1.9	38.4	23.3	7.9	5.1	25.3	30.7	19.6
Colombia	692	2.6	2.8	4.5	0.2	15.4	36.6	14.0	23.9	10.1	8.4	11.9
Cyprus	630	3.9	1.6	6.8	0.0	14.0	27.5	22.7	23.5	12.3	14.1	10.5
Czech Republic	691	5.6	2.2	14.5	0.7	31.2	16.7	17.4	11.6	23.1	25.3	21.2
Egypt	933	11.7	8.2	2.1	0.2	15.6	39.6	12.5	10.0	22.2	26.8	17.8
El Salvador	578	2.7	5.0	0.5	0.2	14.1	30.6	23.4	23.5	8.4	8.6	8.2
England	569	16.6	12.4	6.7	2.8	23.5	22.3	8.5	7.1	38.5	40.2	36.8
Georgia	594	1.0	1.6	0.7	0.1	8.4	14.2	36.5	37.4	3.4	5.7	1.0
Ghana	760	1.1	1.6	0.5	0.1	8.2	37.7	23.8	27.0	3.3	2.4	4.1
Hong Kong SAR	498	16.7	4.8	3.8	0.0	34.3	23.9	9.4	7.1	25.3	33.3	17.9
Hungary	591	16.6	3.5	12.6	1.4	30.2	14.8	12.3	8.6	34.2	36.2	32.0
Indonesia	600	5.9	4.0	0.9	0.3	5.6	48.4	17.4	17.6	11.0	14.6	7.3
Iran, Islamic Rep. of	577	9.8	4.0	5.2	2.4	26.3	24.5	11.0	16.8	21.5	25.9	17.8
Israel	463	7.3	6.1	8.1	1.5	21.4	17.4	19.9	18.3	22.9	26.1	19.3
Italy	636	5.9	2.5	3.9	1.3	16.2	33.0	21.1	16.1	13.5	13.5	13.5
Japan	610	10.6	4.9	11.0	0.1	20.7	30.5	11.0	11.1	26.7	30.5	23.2
Jordan	747	11.3	14.6	4.7	0.4	16.0	40.5	6.2	6.3	31.0	39.6	22.9
Korea, Rep. of	606	16.8	4.7	21.8	2.6	30.2	11.8	6.6	5.5	45.9	50.1	42.0
Kuwait	578	3.5	2.1	3.8	0.8	16.9	34.5	20.4	18.0	10.1	14.2	5.1
Lebanon	541	3.6	2.4	3.1	0.2	10.3	21.0	29.0	30.4	9.3	11.0	7.5
Lithuania	565	14.4	3.4	7.0	2.1	31.2	12.7	14.8	14.4	26.9	29.7	24.1
Malaysia	634	6.5	3.8	3.6	1.6	30.8	34.9	8.2	10.7	15.4	19.4	11.2
Malta	662	8.8	4.6	3.3	0.8	17.9	31.1	18.0	15.6	17.5	19.2	15.6
Morocco	437	3.5	3.9	3.5	0.0	15.5	26.9	23.2	23.5	10.8	13.6	7.1
Norway	676	5.1	1.2	7.7	1.1	16.8	26.0	23.3	18.8	15.2	18.1	12.2
Oman	689	3.3	9.3	3.8	7.5	10.1	44.3	7.5	14.1	24.0	31.8	16.3
Palestinian Nat'l Auth.	631	4.1	3.0	4.1	1.0	18.0	48.4	9.9	11.4	12.2	16.1	8.4
Qatar	1018	1.3	1.0	0.8	0.1	11.2	41.1	22.6	22.0	3.1	4.4	1.8
Romania	602	4.1	0.5	2.3	1.2	23.9	21.9	22.3	23.9	8.1	6.6	9.4
Russian Federation	650	9.3	0.4	13.2	2.4	19.0	17.1	18.0	20.7	25.3	25.8	24.7
Saudi Arabia	601	2.1	3.0	4.7	0.2	12.0	52.2	12.9	13.0	9.9	14.4	5.8
Scotland	560	7.7	11.1	6.3	1.5	18.0	23.6	18.8	13.0	26.6	27.6	25.7
Serbia	588	6.4	2.2	2.3	0.4	15.9	12.8	30.4	29.5	11.4	13.5	9.3
Singapore	658	15.9	10.9	12.1	1.7	20.6	26.5	6.2	6.1	40.6	46.9	35.3
Slovenia	587	10.8	3.6	10.8	2.7	37.9	20.0	7.1	7.0	28.0	35.3	21.0
Sweden	751	4.6	0.7	9.8	0.8	18.5	22.1	23.4	20.2	15.8	17.5	14.4
Syrian Arab Republic	666	5.2	4.2	3.8	0.7	23.7	25.0	21.7	15.6	13.9	14.0	13.8
Thailand	774	7.1	8.5	4.1	0.4	24.3	31.0	11.1	13.4	20.1	25.4	14.5
Tunisia	589	3.9	2.4	1.4	0.3	22.7	38.0	14.0	17.2	8.0	7.2	8.7
Turkey	638	12.0	5.4	3.7	6.5	16.5	28.2	13.3	14.5	27.5	32.5	23.5
Ukraine	640	1.9	0.9	7.9	6.7	22.6	20.5	19.6	19.9	17.4	18.8	15.8
United States	1033	12.0	8.1	7.0	0.6	24.4	34.3	7.4	6.2	27.7	32.4	23.2
International Avg.	641	7.2	4.4	6.0	1.3	19.2	27.8	16.9	17.1	19.0	21.8	16.1
Basque Country, Spain	323	3.8	2.6	11.8	0.3	29.4	25.3	15.4	11.5	18.5	21.8	15.8
British Columbia, Canada	602	10.5	10.0	7.1	2.8	22.7	30.0	8.6	8.3	30.4	34.4	26.3
Dubai, UAE	453	6.6	7.6	7.1	0.0	26.2	26.9	13.4	12.1	21.3	26.1	16.3
Massachusetts, US	269	16.5	11.5	12.1	0.0	23.8	27.8	5.4	2.9	40.1	46.2	35.0
Minnesota, US	253	23.3	13.1	9.3	0.0	18.5	30.1	2.4	3.3	45.6	55.8	34.4
Ontario, Canada	499	18.7	10.9	14.3	1.9	13.2	22.1	10.2	8.6	45.8	45.4	46.2
Quebec, Canada	573	6.8	5.7	10.7	1.2	22.0	28.4	13.3	11.9	24.4	24.2	24.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S042073 - S10_01)
 Label: Formula for carbon dioxide
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	81.9	6.2	81.9	2.4	7.3	2.2	0.0	82.7	81.2
Armenia	675	88.8	5.5	88.8	2.0	0.8	1.7	1.1	90.4	87.2
Australia	580	75.4	11.3	75.4	9.2	3.8	0.3	0.1	71.2	79.7
Bahrain	599	82.4	5.9	82.4	4.7	6.3	0.7	0.0	88.8	76.0
Bosnia and Herzegovina	607	94.3	3.9	94.3	0.7	1.1	0.1	0.0	94.9	93.7
Botswana	601	59.1	8.7	59.1	12.0	18.4	1.8	0.0	64.9	52.7
Bulgaria	443	90.4	3.1	90.4	0.5	4.0	1.7	0.2	93.3	87.8
Chinese Taipei	574	97.6	0.6	97.6	0.8	0.9	0.0	0.0	98.1	97.0
Colombia	694	76.1	6.1	76.1	9.1	8.0	0.4	0.3	75.8	76.5
Cyprus	625	67.1	12.2	67.1	10.4	9.8	0.5	0.0	65.5	68.8
Czech Republic	694	87.5	11.4	87.5	0.2	0.6	0.3	0.0	86.7	88.2
Egypt	932	79.3	8.1	79.3	5.6	6.0	1.0	0.0	80.4	78.2
El Salvador	576	68.5	12.8	68.5	9.8	7.4	1.5	0.0	70.9	65.8
England	569	89.2	6.3	89.2	3.1	1.4	0.0	0.0	85.6	93.5
Georgia	576	77.0	4.7	77.0	8.0	7.4	2.8	0.1	81.3	71.7
Ghana	758	78.4	12.1	78.4	5.2	3.2	1.1	0.0	77.9	78.9
Hong Kong SAR	501	83.0	3.4	83.0	2.3	10.5	0.9	0.0	87.0	79.2
Hungary	600	93.0	5.7	93.0	0.6	0.3	0.5	0.0	92.2	93.7
Indonesia	594	90.2	3.9	90.2	1.7	3.6	0.4	0.2	91.0	89.3
Iran, Islamic Rep. of	575	56.7	16.5	56.7	21.2	4.8	0.8	0.0	63.0	51.5
Israel	457	73.9	9.9	73.9	4.5	9.4	2.3	0.0	73.7	74.4
Italy	629	79.7	8.1	79.7	5.7	4.3	2.2	0.0	82.0	77.9
Japan	602	96.7	0.5	96.7	0.8	1.2	0.8	0.0	96.9	96.6
Jordan	763	85.3	6.3	85.3	2.6	5.6	0.2	0.0	91.3	79.8
Korea, Rep. of	603	91.4	2.6	91.4	2.4	3.5	0.2	0.0	90.4	92.3
Kuwait	569	72.3	7.2	72.3	3.2	15.2	1.7	0.4	72.1	72.4
Lebanon	537	95.5	1.4	95.5	1.0	1.1	0.9	0.0	93.7	97.8
Lithuania	571	82.2	8.6	82.2	4.0	4.6	0.6	0.0	85.0	79.3
Malaysia	635	66.9	9.5	66.9	7.1	15.9	0.6	0.0	71.8	61.5
Malta	671	76.2	10.6	76.2	6.7	5.9	0.6	0.0	74.1	78.3
Morocco	452	88.6	4.3	88.6	1.2	4.8	1.0	0.0	85.6	92.8
Norway	655	84.5	6.0	84.5	2.9	6.2	0.3	0.0	80.9	88.0
Oman	680	81.5	6.2	81.5	4.4	7.3	0.5	0.1	89.4	73.2
Palestinian Nat'l Auth.	629	81.4	6.4	81.4	5.4	5.4	1.3	0.0	88.2	74.7
Qatar	1018	70.7	9.7	70.7	8.3	9.7	1.6	0.1	77.6	63.8
Romania	603	95.8	1.6	95.8	1.4	1.0	0.3	0.0	96.8	94.7
Russian Federation	638	93.3	3.1	93.3	0.9	2.6	0.1	0.0	92.5	94.1
Saudi Arabia	615	59.8	10.0	59.8	8.8	19.9	1.4	0.0	69.4	51.2
Scotland	568	79.6	9.2	79.6	6.8	3.8	0.6	0.0	77.5	81.8
Serbia	575	93.6	4.1	93.6	1.0	1.2	0.0	0.0	94.2	93.1
Singapore	654	79.5	10.0	79.5	6.0	4.5	0.0	0.0	81.2	77.8
Slovenia	585	93.6	3.0	93.6	0.7	2.0	0.7	0.0	94.5	92.8
Sweden	729	70.4	17.9	70.4	5.9	5.1	0.8	0.0	67.3	73.2
Syrian Arab Republic	670	86.2	7.2	86.2	2.9	2.7	1.0	0.0	85.6	86.8
Thailand	766	68.5	13.7	68.5	10.2	7.1	0.5	0.0	73.3	63.2
Tunisia	583	67.3	10.9	67.3	12.3	6.2	3.2	0.0	65.7	69.3
Turkey	647	78.1	13.2	78.1	4.3	4.0	0.4	0.0	79.0	77.4
Ukraine	631	84.4	4.9	84.4	2.1	8.1	0.5	0.0	88.1	79.9
United States	1036	83.2	9.8	83.2	4.7	1.3	0.7	0.3	80.8	85.6
International Avg.	639	81.1	7.4	81.1	4.8	5.6	0.9	0.1	82.5	79.9
Basque Country, Spain	331	89.9	4.4	89.9	2.9	2.2	0.6	0.0	84.7	94.7
British Columbia, Canada	598	86.2	6.2	86.2	2.5	4.3	0.7	0.0	86.3	86.1
Dubai, UAE	459	90.9	3.8	90.9	2.2	2.7	0.3	0.0	91.1	90.8
Massachusetts, US	278	92.1	5.9	92.1	1.6	0.0	0.4	0.0	89.8	94.3
Minnesota, US	248	86.9	8.3	86.9	2.1	2.1	0.6	0.0	88.2	85.6
Ontario, Canada	496	85.0	8.4	85.0	2.6	3.2	0.8	0.0	82.6	87.3
Quebec, Canada	576	76.4	6.6	76.4	8.8	7.9	0.1	0.1	77.1	75.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042017 - S10_02)
 Label: Function of cell part X
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	772	13.7	31.1	26.9	22.7	13.7	5.7	0.0	12.5	14.7
Armenia	674	44.1	19.3	14.3	14.4	44.1	6.9	1.1	41.5	46.7
Australia	580	40.4	19.1	13.1	26.3	40.4	1.0	0.1	38.7	42.1
Bahrain	599	30.2	22.4	31.4	14.5	30.2	1.6	0.0	32.5	27.9
Bosnia and Herzegovina	607	19.2	19.9	35.1	19.9	19.2	5.9	0.0	16.9	21.3
Botswana	601	39.4	17.1	15.9	26.2	39.4	1.3	0.0	40.1	38.7
Bulgaria	443	35.0	19.4	28.7	12.9	35.0	3.8	0.2	40.4	30.1
Chinese Taipei	574	25.2	31.6	25.2	17.8	25.2	0.1	0.0	22.4	28.1
Colombia	694	25.3	13.7	40.4	17.8	25.3	2.5	0.4	24.8	25.8
Cyprus	625	42.5	20.4	23.2	12.4	42.5	1.6	0.0	43.8	41.0
Czech Republic	694	57.6	20.9	9.6	10.4	57.6	1.4	0.0	59.4	56.2
Egypt	927	35.1	11.2	25.3	27.5	35.1	0.9	0.0	38.9	31.3
El Salvador	576	20.0	22.6	25.8	30.4	20.0	1.1	0.0	17.2	23.1
England	569	55.0	18.5	10.0	16.1	55.0	0.3	0.0	49.4	61.8
Georgia	576	40.1	16.6	26.9	13.0	40.1	3.3	0.1	39.5	40.8
Ghana	758	19.2	24.6	20.6	33.3	19.2	2.3	0.0	17.4	20.9
Hong Kong SAR	501	22.5	31.5	22.7	22.3	22.5	1.0	0.0	21.9	22.9
Hungary	600	47.4	21.0	21.8	8.4	47.4	1.4	0.0	47.6	47.1
Indonesia	594	34.0	24.0	16.5	23.2	34.0	2.1	0.2	34.2	33.8
Iran, Islamic Rep. of	575	27.9	15.0	27.5	27.1	27.9	2.5	0.0	29.8	26.3
Israel	457	37.0	20.8	20.1	16.7	37.0	5.5	0.0	37.0	37.0
Italy	629	39.7	15.5	23.5	18.3	39.7	2.9	0.0	35.5	43.2
Japan	602	15.7	21.1	23.3	38.6	15.7	1.3	0.0	13.9	17.4
Jordan	763	31.1	21.6	23.5	20.9	31.1	2.9	0.0	31.6	30.6
Korea, Rep. of	603	48.0	26.6	13.9	11.5	48.0	0.0	0.0	45.3	50.5
Kuwait	569	32.4	25.9	24.7	13.6	32.4	2.9	0.4	33.2	31.5
Lebanon	535	22.8	19.3	26.3	25.5	22.8	6.1	0.0	22.2	23.5
Lithuania	571	55.7	18.4	16.6	8.3	55.7	1.0	0.0	50.2	61.2
Malaysia	635	46.8	17.3	22.1	13.5	46.8	0.3	0.0	48.3	45.1
Malta	670	39.7	21.2	17.2	20.6	39.7	1.4	0.0	37.4	42.0
Morocco	453	23.9	23.1	25.6	22.7	23.9	4.7	0.0	27.3	19.3
Norway	655	21.8	23.0	8.6	45.7	21.8	0.9	0.0	18.7	24.8
Oman	680	34.0	20.0	28.3	15.1	34.0	2.5	0.1	36.9	31.0
Palestinian Nat'l Auth.	629	28.7	15.6	27.1	26.8	28.7	1.7	0.0	30.8	26.7
Qatar	1018	25.1	22.8	27.5	22.0	25.1	2.5	0.1	25.1	25.0
Romania	603	27.0	15.0	41.7	15.0	27.0	1.3	0.0	25.7	28.3
Russian Federation	638	46.8	15.9	21.8	13.5	46.8	2.0	0.0	45.5	48.1
Saudi Arabia	612	28.7	20.6	31.2	18.0	28.7	1.5	0.0	30.8	26.7
Scotland	568	32.4	21.2	20.4	25.5	32.4	0.4	0.0	30.2	34.7
Serbia	571	22.0	23.1	39.3	11.9	22.0	3.6	0.0	18.7	25.6
Singapore	654	72.7	11.3	7.7	8.0	72.7	0.3	0.0	73.5	71.9
Slovenia	585	34.2	25.5	28.8	9.7	34.2	1.8	0.0	28.8	39.2
Sweden	729	20.6	23.5	16.2	38.4	20.6	1.3	0.0	21.3	19.9
Syrian Arab Republic	670	29.8	20.1	30.8	17.1	29.8	2.3	0.0	27.1	32.6
Thailand	766	47.8	16.6	20.3	13.9	47.8	1.4	0.0	47.1	48.5
Tunisia	583	49.1	12.4	19.3	16.4	49.1	2.7	0.0	49.8	48.4
Turkey	647	30.4	21.8	23.2	19.9	30.4	4.7	0.0	34.2	27.0
Ukraine	631	48.7	16.9	24.8	7.7	48.7	1.9	0.0	48.5	49.0
United States	1036	42.1	18.6	14.2	23.9	42.1	0.9	0.3	38.6	45.5
International Avg.	639	34.9	20.3	23.0	19.5	34.9	2.2	0.1	34.3	35.4
Basque Country, Spain	331	23.5	20.2	28.7	25.1	23.5	2.5	0.0	17.6	29.1
British Columbia, Canada	598	57.5	15.6	9.1	17.5	57.5	0.3	0.0	52.7	62.3
Dubai, UAE	459	39.9	20.9	21.0	15.8	39.9	2.4	0.0	42.0	37.2
Massachusetts, US	278	55.4	16.0	11.3	16.9	55.4	0.4	0.0	53.6	57.2
Minnesota, US	248	44.3	17.2	14.1	23.3	44.3	1.1	0.0	35.5	53.4
Ontario, Canada	496	49.7	16.7	11.8	21.1	49.7	0.7	0.0	50.7	48.7
Quebec, Canada	576	31.0	21.8	20.7	24.6	31.0	1.7	0.1	26.8	35.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042007 - S10_03)
 Label: Lungs in bird/which organ in frog
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	59.4	11.4	59.4	6.1	20.6	2.5	0.0	56.4	62.2
Armenia	674	54.7	14.2	54.7	9.5	16.5	4.1	1.1	55.5	53.9
Australia	580	32.9	14.3	32.9	18.1	34.1	0.5	0.1	27.4	38.6
Bahrain	599	35.8	18.6	35.8	11.6	32.7	1.2	0.0	41.2	30.4
Bosnia and Herzegovina	607	60.6	7.5	60.6	13.0	17.9	1.0	0.0	59.1	62.0
Botswana	601	16.3	22.8	16.3	21.3	38.1	1.5	0.0	16.4	16.3
Bulgaria	443	67.1	9.0	67.1	13.4	7.8	2.5	0.2	67.0	67.1
Chinese Taipei	574	51.7	15.1	51.7	11.5	21.5	0.2	0.0	53.7	49.8
Colombia	694	26.4	15.1	26.4	13.7	43.5	0.8	0.4	22.6	31.0
Cyprus	625	9.5	25.5	9.5	22.1	42.4	0.5	0.0	8.5	10.5
Czech Republic	694	56.8	14.8	56.8	9.9	17.2	1.3	0.0	58.3	55.5
Egypt	933	31.0	14.6	31.0	12.4	41.0	1.1	0.0	29.5	32.5
El Salvador	576	18.8	23.2	18.8	17.4	38.8	1.8	0.0	17.5	20.2
England	569	34.7	12.6	34.7	18.9	33.3	0.4	0.0	34.3	35.2
Georgia	576	53.0	22.5	53.0	11.4	11.5	1.5	0.1	49.8	57.1
Ghana	.	.	.	.	.	.	.	.	.	.
Hong Kong SAR	501	32.5	16.3	32.5	19.7	30.9	0.7	0.0	33.0	32.1
Hungary	600	59.4	9.7	59.4	10.7	18.7	1.5	0.0	60.1	58.7
Indonesia	594	38.9	14.5	38.9	15.0	30.8	0.6	0.2	43.1	34.0
Iran, Islamic Rep. of	575	32.7	17.3	32.7	15.5	33.7	0.8	0.0	32.6	32.7
Israel	457	32.7	27.6	32.7	13.9	23.4	2.4	0.0	32.7	32.8
Italy	628	48.1	19.3	48.1	10.5	19.8	2.4	0.0	48.3	47.8
Japan	602	38.8	14.1	38.8	23.3	23.6	0.2	0.0	34.4	42.8
Jordan	763	36.3	18.1	36.3	14.5	29.9	1.2	0.0	35.8	36.7
Korea, Rep. of	603	62.9	14.0	62.9	10.2	12.9	0.0	0.0	63.5	62.4
Kuwait	567	22.7	19.1	22.7	14.6	40.3	2.9	0.4	19.0	27.1
Lebanon	534	45.7	16.5	45.7	10.9	25.0	1.9	0.0	41.9	50.5
Lithuania	571	69.0	10.4	69.0	10.9	8.4	1.4	0.0	66.4	71.6
Malaysia	635	38.2	21.4	38.2	14.5	25.6	0.2	0.0	41.4	34.7
Malta	671	21.0	22.1	21.0	25.8	29.6	1.5	0.0	20.0	22.0
Morocco	452	31.9	15.7	31.9	8.9	40.7	2.7	0.0	26.7	38.6
Norway	655	29.0	20.8	29.0	21.9	27.3	1.0	0.0	29.1	29.0
Oman	680	19.1	24.6	19.1	13.0	41.9	1.2	0.1	15.7	22.7
Palestinian Nat'l Auth.	628	23.2	19.8	23.2	9.6	45.7	1.7	0.0	27.1	19.3
Qatar	1018	27.2	17.5	27.2	19.3	34.5	1.4	0.1	26.3	28.0
Romania	602	45.4	11.3	45.4	14.7	27.1	1.4	0.0	47.9	42.8
Russian Federation	638	75.8	6.3	75.8	4.1	13.1	0.6	0.0	74.0	77.7
Saudi Arabia	612	23.2	21.0	23.2	20.9	33.8	1.1	0.0	23.1	23.3
Scotland	568	27.4	16.9	27.4	20.9	34.0	0.9	0.0	29.2	25.5
Serbia	574	59.6	9.5	59.6	9.7	19.3	2.0	0.0	56.7	62.6
Singapore	653	59.9	5.8	59.9	12.7	21.4	0.2	0.0	56.8	62.9
Slovenia	585	52.3	13.0	52.3	14.4	19.1	1.3	0.0	50.9	53.6
Sweden	729	39.3	18.2	39.3	16.4	25.4	0.6	0.2	41.1	37.6
Syrian Arab Republic	670	58.0	11.5	58.0	8.2	21.5	0.7	0.0	47.6	68.8
Thailand	766	50.0	16.1	50.0	14.7	17.5	1.8	0.0	51.9	47.9
Tunisia	582	67.9	8.8	67.9	3.3	18.3	1.7	0.0	65.5	70.7
Turkey	647	27.6	12.6	27.6	27.8	29.5	2.4	0.0	27.5	27.7
Ukraine	631	60.1	17.1	60.1	6.7	15.1	1.0	0.0	56.2	64.9
United States	1036	34.3	15.6	34.3	17.9	31.1	0.7	0.3	32.1	36.6
International Avg.	636	41.6	15.9	41.6	14.3	26.8	1.3	0.1	40.7	42.7
Basque Country, Spain	331	37.1	14.6	37.1	21.8	24.3	2.1	0.0	40.8	33.7
British Columbia, Canada	598	34.3	15.8	34.3	18.7	30.3	0.8	0.0	31.4	37.2
Dubai, UAE	458	30.1	11.1	30.1	20.9	35.0	3.0	0.0	26.2	34.7
Massachusetts, US	278	39.8	16.2	39.8	15.0	27.6	1.3	0.0	34.1	45.1
Minnesota, US	248	44.6	14.7	44.6	21.3	18.8	0.6	0.0	39.3	50.0
Ontario, Canada	496	32.7	19.3	32.7	18.5	28.5	1.0	0.0	28.2	37.0
Quebec, Canada	576	25.6	17.7	25.6	23.8	31.8	1.0	0.1	28.0	22.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042024 - S10_04)
 Label: Process of respiration
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	30.6	14.1	30.6	31.5	18.5	5.3	0.0	25.6	35.4
Armenia	675	47.7	10.6	47.7	22.3	8.9	9.4	1.1	42.1	53.4
Australia	580	28.4	14.6	28.4	35.6	19.7	1.6	0.1	22.5	34.4
Bahrain	599	37.9	19.6	37.9	27.1	13.8	1.6	0.0	36.9	38.9
Bosnia and Herzegovina	607	26.2	18.8	26.2	25.1	17.1	12.8	0.0	25.7	26.6
Botswana	601	18.6	20.1	18.6	46.4	12.4	2.4	0.0	18.4	18.9
Bulgaria	443	45.2	11.0	45.2	33.1	7.7	2.7	0.2	44.7	45.7
Chinese Taipei	574	41.0	22.0	41.0	26.3	10.7	0.0	0.0	35.6	46.4
Colombia	694	30.8	17.1	30.8	31.0	19.1	1.6	0.4	26.3	36.1
Cyprus	625	30.0	17.7	30.0	35.9	14.8	1.7	0.0	28.5	31.6
Czech Republic	694	36.4	10.6	36.4	38.6	12.3	2.1	0.0	37.4	35.6
Egypt	933	41.9	13.7	41.9	29.9	12.5	2.0	0.0	42.6	41.3
El Salvador	576	35.5	18.6	35.5	31.0	12.2	2.7	0.0	38.4	32.4
England	569	45.2	17.5	45.2	22.2	14.3	0.8	0.0	41.6	49.6
Georgia	576	43.6	12.6	43.6	23.9	13.9	5.9	0.1	38.4	50.0
Ghana	758	24.7	24.8	24.7	30.9	15.7	3.8	0.0	28.6	21.4
Hong Kong SAR	501	47.6	18.1	47.6	25.1	8.7	0.5	0.0	41.4	53.4
Hungary	600	44.3	10.2	44.3	33.7	9.5	2.3	0.0	43.6	45.0
Indonesia	594	24.6	26.0	24.6	33.8	11.9	3.5	0.2	26.4	22.4
Iran, Islamic Rep. of	575	26.5	14.6	26.5	31.7	23.9	3.2	0.0	28.2	25.1
Israel	457	33.6	13.0	33.6	35.2	13.2	5.0	0.0	33.3	34.0
Italy	629	35.1	16.1	35.1	31.0	12.3	5.6	0.0	35.5	34.8
Japan	602	48.9	13.7	48.9	26.7	10.1	0.6	0.0	40.0	57.2
Jordan	763	47.6	16.6	47.6	24.8	8.8	2.1	0.0	43.6	51.3
Korea, Rep. of	603	33.6	31.5	33.6	27.4	7.5	0.0	0.0	33.9	33.2
Kuwait	567	32.4	16.7	32.4	31.7	14.7	4.0	0.5	31.3	33.6
Lebanon	532	30.6	8.1	30.6	32.5	23.4	5.3	0.0	32.8	27.8
Lithuania	571	37.5	15.5	37.5	30.4	13.8	2.7	0.0	37.4	37.6
Malaysia	635	33.3	16.2	33.3	36.1	14.0	0.5	0.0	32.0	34.7
Malta	672	33.0	17.1	33.0	29.3	18.2	2.5	0.0	30.4	35.6
Morocco	452	36.3	12.5	36.3	23.7	21.2	6.3	0.0	37.5	34.0
Norway	655	23.4	22.7	23.4	34.0	15.3	4.6	0.0	26.4	20.6
Oman	680	39.2	19.8	39.2	28.7	11.0	1.1	0.1	35.2	43.4
Palestinian Nat'l Auth.	627	39.0	22.4	39.0	25.8	10.6	2.3	0.0	38.7	39.2
Qatar	1018	31.1	21.8	31.1	28.9	16.7	1.3	0.1	31.5	30.7
Romania	602	36.2	13.6	36.2	34.5	14.4	1.2	0.0	35.9	36.5
Russian Federation	638	58.8	8.8	58.8	24.1	6.2	2.1	0.0	52.1	65.6
Saudi Arabia	614	31.5	26.8	31.5	29.8	9.8	2.1	0.0	31.0	31.9
Scotland	568	26.5	19.0	26.5	34.3	17.8	2.4	0.0	27.2	25.7
Serbia	571	33.8	11.6	33.8	36.4	15.2	2.9	0.0	33.0	34.6
Singapore	653	50.3	18.3	50.3	18.7	12.1	0.6	0.0	47.8	52.6
Slovenia	585	42.3	18.1	42.3	23.6	14.5	1.7	0.0	42.2	42.3
Sweden	729	28.2	21.5	28.2	37.1	11.6	1.4	0.2	27.6	28.8
Syrian Arab Republic	670	42.8	13.6	42.8	26.4	14.6	2.6	0.0	38.1	47.6
Thailand	766	30.9	14.4	30.9	34.4	18.6	1.6	0.0	29.3	32.8
Tunisia	582	31.9	13.1	31.9	33.3	17.1	4.7	0.0	28.5	35.7
Turkey	647	41.0	20.3	41.0	26.0	11.0	1.7	0.0	43.8	38.6
Ukraine	631	41.2	12.0	41.2	35.9	9.7	1.2	0.0	39.3	43.3
United States	1036	23.3	19.6	23.3	36.8	18.6	1.4	0.3	19.4	27.1
International Avg.	639	35.9	16.9	35.9	30.5	13.9	2.8	0.1	34.4	37.4
Basque Country, Spain	331	28.0	13.1	28.0	34.1	20.2	4.6	0.0	26.5	29.5
British Columbia, Canada	598	31.5	19.9	31.5	31.9	15.5	1.1	0.0	25.3	37.6
Dubai, UAE	459	41.9	15.1	41.9	27.6	12.9	2.4	0.0	37.6	47.0
Massachusetts, US	278	30.0	21.6	30.0	31.6	15.7	1.2	0.0	27.6	32.2
Minnesota, US	248	24.0	18.4	24.0	39.7	17.3	0.6	0.0	19.9	28.2
Ontario, Canada	496	24.8	21.7	24.8	38.8	13.1	1.5	0.0	23.2	26.4
Quebec, Canada	576	34.8	13.5	34.8	35.9	14.3	1.4	0.1	31.5	38.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S042095 - S10_05)
 Label: Ammonia solution mixed with vinegar
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	772	59.7	11.5	10.7	14.8	59.7	3.3	0.0	63.9	55.8
Armenia	675	73.4	8.7	2.2	8.3	73.4	6.0	1.4	73.3	73.4
Australia	580	73.3	4.7	4.1	17.2	73.3	0.6	0.2	71.6	75.0
Bahrain	599	64.5	8.6	11.1	14.0	64.5	1.6	0.1	70.1	58.9
Bosnia and Herzegovina	607	53.1	14.6	13.5	16.1	53.1	2.7	0.0	54.1	52.3
Botswana	601	52.2	12.3	16.3	17.7	52.2	1.4	0.0	58.4	45.3
Bulgaria	443	64.8	11.5	3.3	16.8	64.8	3.3	0.4	68.3	61.6
Chinese Taipei	574	91.0	3.2	2.7	3.1	91.0	0.0	0.0	91.0	91.0
Colombia	694	31.4	15.6	25.9	25.8	31.4	0.9	0.4	26.0	37.9
Cyprus	625	21.5	42.5	8.7	26.8	21.5	0.5	0.0	19.2	24.2
Czech Republic	694	73.9	11.2	1.2	12.4	73.9	1.2	0.0	69.0	78.0
Egypt	932	46.3	14.4	17.8	20.1	46.3	1.1	0.3	48.4	44.2
El Salvador	576	31.0	17.4	29.9	19.5	31.0	2.2	0.0	31.4	30.6
England	569	82.0	3.8	2.2	11.1	82.0	0.8	0.0	80.6	83.7
Georgia	576	70.7	15.0	5.0	5.3	70.7	3.9	0.1	73.1	67.7
Ghana	758	36.7	11.6	16.7	34.0	36.7	1.0	0.0	37.1	36.3
Hong Kong SAR	501	86.6	3.2	6.5	3.4	86.6	0.3	0.0	88.1	85.2
Hungary	600	75.9	10.2	4.0	8.9	75.9	1.0	0.0	81.1	71.2
Indonesia	594	54.8	9.8	15.7	18.3	54.8	1.3	0.2	52.8	57.1
Iran, Islamic Rep. of	575	71.1	9.7	5.2	13.4	71.1	0.7	0.0	72.6	69.8
Israel	457	34.5	7.9	38.3	16.8	34.5	2.5	0.0	33.1	36.2
Italy	629	63.5	7.7	18.0	8.4	63.5	2.4	0.0	62.1	64.6
Japan	602	80.3	6.1	8.5	4.6	80.3	0.5	0.0	79.6	81.0
Jordan	763	74.3	8.0	7.0	9.7	74.3	1.0	0.0	74.7	74.0
Korea, Rep. of	603	58.2	9.0	14.4	18.2	58.2	0.2	0.0	59.1	57.5
Kuwait	567	48.2	24.3	10.5	14.6	48.2	1.9	0.5	51.0	44.8
Lebanon	534	53.8	13.9	10.8	18.3	53.8	2.7	0.5	51.2	57.1
Lithuania	571	59.0	0.6	26.6	12.4	59.0	1.3	0.0	54.4	63.4
Malaysia	635	76.4	3.8	7.9	12.0	76.4	0.0	0.0	79.8	72.6
Malta	670	64.6	8.4	6.7	18.7	64.6	1.5	0.0	64.6	64.6
Morocco	450	62.1	6.8	12.3	17.4	62.1	1.4	0.0	64.0	60.0
Norway	655	85.0	6.9	1.2	5.4	85.0	1.6	0.0	85.5	84.5
Oman	680	52.4	14.0	14.4	17.4	52.4	1.7	0.1	58.5	46.1
Palestinian Nat'l Auth.	628	43.4	14.9	22.4	18.0	43.4	1.3	0.0	43.9	42.8
Qatar	1018	37.6	21.1	20.9	18.9	37.6	1.4	0.1	40.3	35.0
Romania	602	58.9	7.0	4.7	28.2	58.9	1.2	0.0	59.9	57.9
Russian Federation	638	78.4	4.1	2.1	14.5	78.4	0.9	0.0	77.8	79.1
Saudi Arabia	614	58.9	12.4	15.5	12.0	58.9	1.2	0.0	62.8	55.3
Scotland	568	77.2	4.8	1.9	14.2	77.2	1.9	0.0	75.8	78.7
Serbia	573	60.0	9.5	5.6	22.9	60.0	2.1	0.0	60.6	59.3
Singapore	653	87.3	2.1	3.7	6.9	87.3	0.0	0.0	89.3	85.3
Slovenia	585	66.3	7.2	13.0	12.6	66.3	0.9	0.0	63.4	68.9
Sweden	729	74.5	5.4	4.1	14.0	74.5	1.8	0.2	75.7	73.4
Syrian Arab Republic	670	54.8	11.6	15.5	16.5	54.8	1.4	0.1	50.9	58.8
Thailand	766	54.4	7.6	11.5	25.3	54.4	1.3	0.0	59.2	49.0
Tunisia	582	66.7	7.5	9.4	14.0	66.7	2.4	0.0	67.5	65.9
Turkey	647	66.8	9.7	11.9	10.3	66.8	1.3	0.0	64.7	68.8
Ukraine	631	79.0	7.2	1.7	11.7	79.0	0.4	0.0	78.2	80.0
United States	1036	75.6	5.4	3.8	13.2	75.6	1.5	0.3	76.3	75.0
International Avg.	639	62.6	10.1	10.8	15.0	62.6	1.5	0.1	63.1	62.0
Basque Country, Spain	331	48.1	13.5	24.3	12.4	48.1	1.8	0.0	49.2	47.1
British Columbia, Canada	598	74.3	7.8	3.0	13.9	74.3	1.0	0.0	72.0	76.5
Dubai, UAE	459	71.1	6.7	7.7	12.3	71.1	2.2	0.0	71.2	70.9
Massachusetts, US	278	81.4	5.0	2.7	10.5	81.4	0.4	0.0	78.5	84.2
Minnesota, US	248	75.0	5.9	1.7	16.8	75.0	0.6	0.0	70.5	79.7
Ontario, Canada	496	73.3	10.8	1.4	13.5	73.3	0.9	0.0	70.8	75.7
Quebec, Canada	576	53.3	14.5	18.0	12.1	53.3	1.9	0.1	51.8	55.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S042022 - S10_06)
 Label: CO2 concentration and photosynthesis
 Type: CR Key: -

COUNTRY	N	10	11	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	729	7.7	6.9	42.6	42.9	0.0	14.6	15.9	13.4
Armenia	674	20.4	2.9	53.9	21.4	1.4	23.3	21.9	24.6
Australia	580	11.5	35.3	49.4	3.6	0.2	46.8	47.4	46.2
Bahrain	599	34.3	18.2	45.3	2.2	0.1	52.4	66.1	38.8
Bosnia and Herzegovina	607	23.0	3.5	66.0	7.4	0.0	26.6	29.6	23.8
Botswana	600	4.7	3.1	89.3	3.0	0.0	7.8	9.5	5.8
Bulgaria	443	12.6	3.2	69.2	14.6	0.4	15.8	18.2	13.7
Chinese Taipei	574	14.5	35.2	46.7	3.6	0.0	49.7	55.3	44.1
Colombia	694	7.2	7.0	76.5	8.9	0.4	14.2	13.8	14.7
Cyprus	625	21.3	5.1	68.2	5.5	0.0	26.4	29.9	22.4
Czech Republic	694	13.1	16.7	65.6	4.6	0.0	29.7	29.7	29.8
Egypt	933	24.9	4.3	66.8	3.7	0.3	29.2	31.8	26.7
El Salvador	576	7.0	5.9	75.9	11.2	0.0	12.9	14.9	10.7
England	569	8.7	52.9	35.3	3.1	0.0	61.5	61.7	61.4
Georgia	576	9.6	12.2	53.9	24.2	0.1	21.7	25.8	16.6
Ghana	758	7.3	3.0	74.6	15.1	0.0	10.3	12.3	8.5
Hong Kong SAR	501	32.0	15.6	50.8	1.6	0.0	47.6	54.4	41.3
Hungary	600	14.5	20.8	62.2	2.5	0.0	35.3	35.2	35.4
Indonesia	594	22.4	13.2	59.0	5.1	0.2	35.7	38.4	32.5
Iran, Islamic Rep. of	575	6.3	19.3	69.9	4.5	0.0	25.5	27.7	23.7
Israel	457	13.4	22.6	59.3	4.4	0.4	36.0	38.1	33.8
Italy	629	24.7	27.3	38.5	9.6	0.0	52.0	55.0	49.5
Japan	602	18.4	38.4	42.1	1.1	0.0	56.8	57.8	55.9
Jordan	763	27.3	14.5	56.7	1.5	0.0	41.8	50.9	33.4
Korea, Rep. of	603	16.1	23.8	57.6	2.5	0.0	39.9	43.3	36.8
Kuwait	568	25.6	10.1	56.7	7.1	0.5	35.7	43.1	27.1
Lebanon	538	18.2	11.9	63.3	6.2	0.5	30.0	28.4	32.1
Lithuania	571	8.7	30.0	57.0	4.3	0.0	38.8	43.4	34.2
Malaysia	635	36.8	7.0	52.4	3.8	0.0	43.8	48.4	38.8
Malta	672	25.0	16.9	55.8	2.3	0.0	41.9	45.5	38.2
Morocco	454	6.1	44.0	40.6	9.3	0.0	50.1	49.3	51.5
Norway	655	8.4	16.8	71.7	3.1	0.0	25.2	28.7	21.8
Oman	680	15.2	6.0	76.2	2.5	0.1	21.2	28.1	14.0
Palestinian Nat'l Auth.	629	15.4	8.0	73.4	3.2	0.0	23.4	27.8	19.1
Qatar	.	.	.	.	.	.	.	.	.
Romania	602	14.9	7.2	51.9	26.0	0.0	22.1	26.7	17.4
Russian Federation	638	9.7	20.4	63.4	6.5	0.0	30.1	33.3	27.0
Saudi Arabia	615	14.9	5.9	76.2	2.9	0.0	20.9	29.9	12.7
Scotland	568	7.9	36.3	52.3	3.5	0.0	44.2	47.6	40.7
Serbia	577	12.9	8.1	69.8	9.2	0.0	21.0	22.0	20.0
Singapore	653	30.9	35.8	32.6	0.7	0.0	66.7	71.7	62.0
Slovenia	585	22.7	18.9	57.8	0.6	0.0	41.6	47.3	36.4
Sweden	729	10.1	18.0	67.0	4.7	0.2	28.1	33.1	23.5
Syrian Arab Republic	670	21.2	15.1	50.7	12.9	0.1	36.4	36.5	36.2
Thailand	766	19.6	11.1	60.8	8.5	0.0	30.7	35.3	25.6
Tunisia	581	27.1	8.4	59.6	4.8	0.0	35.5	40.9	29.3
Turkey	647	17.8	19.5	58.5	4.2	0.0	37.3	44.1	31.4
Ukraine	631	13.6	9.6	68.2	8.7	0.0	23.2	25.0	20.9
United States	1036	8.5	50.9	39.2	1.1	0.3	59.4	65.0	53.8
International Avg.	630	16.5	17.2	59.0	7.2	0.1	33.8	37.2	30.4
Basque Country, Spain	331	14.0	16.5	65.4	4.1	0.0	30.5	32.3	28.8
British Columbia, Canada	598	23.8	20.9	52.2	3.1	0.0	44.7	50.7	38.9
Dubai, UAE	459	23.7	20.3	52.5	3.5	0.0	44.0	47.9	39.4
Massachusetts, US	278	10.7	59.7	27.3	2.3	0.0	70.4	70.3	70.4
Minnesota, US	248	6.8	56.9	35.4	0.9	0.0	63.7	71.4	55.8
Ontario, Canada	496	24.6	33.3	38.6	3.6	0.0	57.8	61.2	54.6
Quebec, Canada	576	18.1	23.5	51.8	6.4	0.1	41.7	45.7	37.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S042063 - S10_07)
 Label: Which rod causes the bulb to light
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	87.5	87.5	2.9	4.5	3.2	1.9	0.0	83.4	91.3
Armenia	675	84.2	84.2	5.0	3.5	2.4	3.2	1.6	80.5	87.9
Australia	580	91.4	91.4	1.2	4.1	3.0	0.2	0.2	91.1	91.6
Bahrain	599	88.4	88.4	2.1	5.7	3.1	0.6	0.1	91.2	85.6
Bosnia and Herzegovina	607	90.4	90.4	1.3	6.2	1.3	0.7	0.0	85.4	95.0
Botswana	600	82.1	82.1	3.9	7.8	5.9	0.4	0.0	78.8	85.7
Bulgaria	443	85.7	85.7	5.4	5.6	0.7	2.2	0.4	87.0	84.6
Chinese Taipei	574	92.4	92.4	2.4	3.7	1.4	0.0	0.2	93.1	91.7
Colombia	694	88.6	88.6	2.5	5.0	3.2	0.3	0.4	84.9	93.0
Cyprus	625	86.8	86.8	3.3	5.9	3.8	0.2	0.0	87.8	85.7
Czech Republic	694	96.0	96.0	0.4	1.6	1.8	0.1	0.0	92.7	98.8
Egypt	930	80.4	80.4	4.5	9.8	4.9	0.1	0.3	75.9	84.8
El Salvador	576	76.4	76.4	4.4	7.8	10.7	0.7	0.0	64.1	90.1
England	569	95.8	95.8	0.7	1.6	1.2	0.7	0.0	94.8	96.9
Georgia	572	84.7	84.7	2.7	7.4	3.1	2.1	0.1	84.4	85.0
Ghana	758	65.4	65.4	6.8	14.5	12.5	0.7	0.1	53.1	76.0
Hong Kong SAR	501	94.0	94.0	2.4	2.2	0.9	0.5	0.0	95.5	92.6
Hungary	600	86.4	86.4	1.0	5.7	6.1	0.7	0.0	82.0	90.5
Indonesia	594	91.5	91.5	2.6	2.9	2.6	0.2	0.2	88.8	94.6
Iran, Islamic Rep. of	574	89.0	89.0	2.2	4.1	4.4	0.4	0.0	86.3	91.2
Israel	457	91.0	91.0	3.5	2.2	2.0	0.8	0.4	93.4	88.2
Italy	629	91.4	91.4	1.4	2.9	3.3	1.0	0.0	91.6	91.3
Japan	602	93.5	93.5	1.6	1.8	2.9	0.2	0.0	93.6	93.4
Jordan	763	92.7	92.7	3.7	1.8	1.5	0.3	0.0	92.6	92.9
Korea, Rep. of	603	86.8	86.8	1.8	4.6	6.7	0.2	0.0	86.7	86.9
Kuwait	568	83.8	83.8	4.3	3.6	6.5	1.2	0.5	87.5	79.5
Lebanon	532	81.7	81.7	5.3	6.2	5.7	0.6	0.5	78.8	85.5
Lithuania	571	94.5	94.5	2.1	1.5	1.7	0.1	0.0	93.4	95.7
Malaysia	635	92.3	92.3	3.2	2.1	2.3	0.0	0.0	93.5	91.0
Malta	672	86.1	86.1	4.0	5.7	3.6	0.6	0.0	85.0	87.2
Morocco	453	92.7	92.7	1.4	1.9	2.5	1.5	0.0	90.4	95.8
Norway	655	85.3	85.3	1.7	9.4	2.5	1.2	0.0	81.0	89.4
Oman	680	83.7	83.7	3.8	6.9	4.9	0.5	0.1	84.0	83.4
Palestinian Nat'l Auth.	628	85.5	85.5	7.1	4.8	1.5	1.0	0.0	86.4	84.6
Qatar	1018	71.5	71.5	10.9	9.6	7.5	0.4	0.1	81.0	62.0
Romania	603	87.5	87.5	3.3	7.2	1.6	0.4	0.0	83.7	91.4
Russian Federation	638	92.1	92.1	1.8	2.7	2.9	0.5	0.0	90.1	94.2
Saudi Arabia	615	70.3	70.3	6.9	13.4	9.2	0.2	0.0	64.6	75.5
Scotland	568	91.4	91.4	0.7	1.6	5.6	0.7	0.0	90.3	92.4
Serbia	576	89.7	89.7	0.8	6.1	2.2	1.2	0.0	85.6	94.1
Singapore	653	97.0	97.0	0.5	1.1	1.2	0.2	0.0	96.4	97.5
Slovenia	585	95.5	95.5	1.3	1.3	1.4	0.5	0.0	93.7	97.2
Sweden	729	94.1	94.1	1.5	3.2	0.7	0.4	0.2	94.4	93.7
Syrian Arab Republic	670	88.0	88.0	2.8	4.4	4.5	0.2	0.1	81.9	94.3
Thailand	766	92.6	92.6	1.0	5.5	0.5	0.3	0.2	92.0	93.2
Tunisia	582	94.3	94.3	1.1	2.6	1.6	0.4	0.0	92.9	95.9
Turkey	647	73.0	73.0	5.4	13.5	7.5	0.5	0.0	67.3	78.1
Ukraine	631	85.3	85.3	5.4	2.0	6.6	0.7	0.0	81.7	89.7
United States	1036	90.7	90.7	2.5	3.6	2.4	0.6	0.3	90.7	90.7
International Avg.	639	87.6	87.6	3.0	5.0	3.7	0.7	0.1	85.8	89.3
Basque Country, Spain	331	88.3	88.3	3.8	3.0	4.8	0.1	0.0	82.2	94.0
British Columbia, Canada	598	89.5	89.5	2.0	4.4	3.1	1.0	0.0	89.1	89.9
Dubai, UAE	459	88.9	88.9	2.1	3.6	4.7	0.5	0.0	89.2	88.6
Massachusetts, US	278	95.8	95.8	1.8	1.7	0.3	0.4	0.0	93.7	97.8
Minnesota, US	248	94.2	94.2	1.1	3.2	1.1	0.4	0.0	92.9	95.5
Ontario, Canada	496	91.1	91.1	1.6	3.9	2.3	1.0	0.0	90.0	92.1
Quebec, Canada	576	82.9	82.9	1.7	7.9	7.1	0.3	0.1	84.4	81.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S042197 - S10_08)
 Label: Strength of a magnet
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	772	26.6	14.2	14.3	26.6	40.1	4.7	0.0	26.7	26.6
Armenia	676	33.5	14.9	10.8	33.5	26.1	13.2	1.6	31.6	35.4
Australia	580	58.1	17.9	10.8	58.1	12.5	0.5	0.2	53.4	62.9
Bahrain	599	54.2	9.8	14.4	54.2	20.1	1.4	0.1	58.1	50.3
Bosnia and Herzegovina	607	25.1	26.0	26.4	25.1	17.8	4.8	0.0	23.7	26.4
Botswana	600	26.2	25.2	30.8	26.2	15.2	2.6	0.0	26.7	25.7
Bulgaria	443	33.8	16.4	24.7	33.8	19.2	5.5	0.4	29.9	37.2
Chinese Taipei	574	61.6	23.8	7.1	61.6	7.4	0.0	0.2	59.7	63.4
Colombia	694	34.1	28.0	19.1	34.1	17.6	0.8	0.4	34.0	34.3
Cyprus	625	39.0	21.4	17.2	39.0	22.2	0.2	0.0	39.8	38.1
Czech Republic	694	40.0	19.3	26.5	40.0	13.5	0.7	0.0	37.2	42.4
Egypt	931	32.6	15.6	19.8	32.6	30.6	1.1	0.3	28.6	36.5
El Salvador	576	22.4	35.6	23.3	22.4	16.2	2.3	0.1	23.8	20.9
England	569	69.1	14.5	9.4	69.1	5.7	1.3	0.0	63.1	76.4
Georgia	572	29.0	16.3	18.7	29.0	26.9	8.7	0.5	27.4	31.0
Ghana	758	23.3	33.0	24.4	23.3	16.9	2.3	0.1	23.9	22.8
Hong Kong SAR	501	46.6	27.1	10.5	46.6	14.6	1.2	0.0	50.1	43.4
Hungary	600	43.4	14.3	11.2	43.4	29.1	1.9	0.0	37.1	49.2
Indonesia	594	21.4	37.8	16.8	21.4	22.6	1.1	0.2	20.4	22.6
Iran, Islamic Rep. of	574	38.2	13.7	13.3	38.2	33.8	1.1	0.0	36.2	39.8
Israel	457	33.8	27.6	14.4	33.8	19.6	4.2	0.4	32.1	35.9
Italy	626	31.6	36.9	16.5	31.6	13.0	2.1	0.0	28.5	34.1
Japan	602	65.8	13.4	13.6	65.8	6.6	0.6	0.0	61.8	69.5
Jordan	763	40.0	18.9	15.5	40.0	24.9	0.6	0.0	40.4	39.7
Korea, Rep. of	603	70.4	14.8	6.1	70.4	8.5	0.2	0.0	67.6	73.1
Kuwait	568	41.9	18.4	14.7	41.9	20.6	3.8	0.6	42.9	40.7
Lebanon	524	33.4	23.0	14.0	33.4	21.9	7.3	0.5	30.0	37.7
Lithuania	568	30.7	41.4	10.0	30.7	16.2	1.7	0.0	27.1	34.2
Malaysia	635	58.5	13.7	15.4	58.5	12.2	0.2	0.0	57.8	59.3
Malta	671	41.7	26.5	15.1	41.7	14.9	1.8	0.0	38.5	45.0
Morocco	452	35.7	15.6	17.6	35.7	25.6	5.4	0.2	32.2	40.8
Norway	655	29.1	36.7	19.3	29.1	12.1	2.8	0.0	24.7	33.3
Oman	680	31.1	18.2	20.2	31.1	28.7	1.4	0.4	30.6	31.6
Palestinian Nat'l Auth.	629	34.9	16.0	14.8	34.9	31.9	2.5	0.0	31.2	38.4
Qatar	1017	28.1	23.7	23.3	28.1	22.9	1.9	0.1	28.6	27.6
Romania	602	28.9	30.3	19.4	28.9	20.2	1.2	0.0	26.1	31.9
Russian Federation	638	42.2	14.8	20.4	42.2	19.0	3.6	0.0	42.7	41.7
Saudi Arabia	614	25.2	25.2	17.9	25.2	30.4	1.3	0.0	20.4	29.6
Scotland	568	53.0	22.0	11.1	53.0	12.6	1.3	0.0	57.4	48.5
Serbia	576	26.6	26.3	22.9	26.6	20.1	4.1	0.0	26.3	26.9
Singapore	653	79.1	8.3	6.2	79.1	6.0	0.3	0.0	81.1	77.3
Slovenia	585	59.5	13.4	10.3	59.5	14.6	2.2	0.0	55.2	63.4
Sweden	729	44.9	32.2	10.6	44.9	10.4	1.6	0.2	41.2	48.3
Syrian Arab Republic	669	34.3	17.0	18.5	34.3	27.3	2.8	0.1	28.7	40.1
Thailand	766	28.8	32.5	17.1	28.8	19.7	1.7	0.2	23.6	34.6
Tunisia	581	31.1	9.1	8.8	31.1	48.5	2.5	0.0	26.9	35.9
Turkey	647	22.1	26.3	24.0	22.1	25.5	2.0	0.0	20.3	23.8
Ukraine	631	45.9	11.9	23.3	45.9	18.0	0.9	0.0	43.6	48.7
United States	1036	58.2	22.0	13.2	58.2	5.7	0.5	0.3	53.6	62.9
International Avg.	638	39.7	21.6	16.4	39.7	19.7	2.4	0.1	37.8	41.6
Basque Country, Spain	331	36.1	40.7	9.8	36.1	12.5	0.9	0.0	34.9	37.3
British Columbia, Canada	598	53.8	21.0	15.0	53.8	9.4	0.9	0.0	51.9	55.7
Dubai, UAE	459	40.9	28.3	10.1	40.9	17.6	3.1	0.0	40.3	41.6
Massachusetts, US	278	67.6	18.3	7.6	67.6	6.3	0.2	0.0	63.7	71.3
Minnesota, US	248	58.1	21.7	14.6	58.1	5.1	0.4	0.0	56.5	59.8
Ontario, Canada	496	56.2	21.2	12.1	56.2	8.5	2.0	0.0	57.3	55.2
Quebec, Canada	576	43.6	33.5	12.1	43.6	10.3	0.4	0.1	43.6	43.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S042297 - S10_09)
 Label: Investigation of green/red peppers
 Type: CR Key: -

COUNTRY	N	20	29	10	19	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	731	0.8	1.8	4.7	6.3	58.8	27.4	0.0	13.7	2.6	3.2	2.2
Armenia	676	5.5	7.5	8.8	2.8	29.0	44.7	1.7	24.6	13.0	14.7	11.3
Australia	580	27.0	0.3	16.4	0.2	46.6	9.3	0.2	43.9	27.3	28.5	26.0
Bahrain	599	9.4	0.3	6.1	8.1	52.1	24.0	0.1	23.8	9.6	12.7	6.6
Bosnia and Herzegovina	607	4.9	0.5	5.1	0.8	49.7	38.8	0.2	11.3	5.4	4.7	6.1
Botswana	601	3.7	0.3	2.1	0.1	80.8	13.0	0.0	6.2	4.1	5.1	2.9
Bulgaria	443	5.7	0.9	1.7	0.5	52.8	38.1	0.4	8.7	6.6	8.1	5.2
Chinese Taipei	574	16.8	1.7	7.7	13.4	39.8	20.4	0.2	39.6	18.5	20.6	16.4
Colombia	694	7.1	2.8	6.7	1.4	67.7	13.8	0.5	18.0	9.9	9.4	10.4
Cyprus	625	6.8	0.0	8.8	2.1	42.1	40.3	0.0	17.6	6.8	7.3	6.1
Czech Republic	694	18.5	5.2	5.7	0.8	45.0	24.8	0.0	30.2	23.7	27.6	20.5
Egypt	933	3.4	0.5	5.9	0.4	66.6	23.0	0.3	10.2	3.8	4.1	3.6
El Salvador	576	2.4	0.0	6.7	0.8	64.7	25.2	0.1	9.9	2.4	2.5	2.3
England	569	28.0	0.0	31.7	0.0	30.3	10.0	0.0	59.7	28.0	31.1	24.2
Georgia	574	2.8	1.6	1.8	0.6	58.5	34.1	0.5	6.9	4.5	5.9	2.7
Ghana	758	0.9	0.0	0.5	0.1	59.9	38.3	0.3	1.6	0.9	0.4	1.4
Hong Kong SAR	501	18.0	3.0	6.3	2.6	41.9	28.2	0.0	29.9	21.0	24.0	18.2
Hungary	600	7.9	6.2	1.9	3.8	46.3	33.9	0.0	19.8	14.1	14.8	13.5
Indonesia	594	3.7	0.5	6.3	0.9	76.4	11.8	0.2	11.5	4.3	5.3	3.1
Iran, Islamic Rep. of	574	1.5	0.9	0.8	0.1	79.9	16.7	0.0	3.4	2.4	2.2	2.7
Israel	457	24.2	1.4	14.7	1.8	28.2	29.3	0.4	42.0	25.6	31.2	19.3
Italy	629	5.7	3.6	4.2	11.8	35.1	39.5	0.0	25.4	9.3	11.8	7.3
Japan	602	16.6	0.0	22.0	1.1	40.9	19.4	0.0	39.7	16.6	18.6	14.7
Jordan	763	5.8	0.3	5.3	0.6	75.4	12.5	0.0	12.0	6.2	8.6	4.0
Korea, Rep. of	603	10.7	0.0	36.3	0.0	37.7	15.2	0.0	47.1	10.7	9.9	11.5
Kuwait	568	3.2	2.7	2.8	3.5	45.2	42.0	0.6	12.2	5.9	9.1	2.3
Lebanon	538	4.4	0.0	0.4	0.6	60.0	33.8	0.7	5.4	4.4	2.2	7.2
Lithuania	571	20.0	8.7	14.3	8.7	33.6	14.8	0.0	51.7	28.7	34.7	22.7
Malaysia	635	8.0	0.6	6.9	2.3	64.3	17.9	0.0	17.8	8.6	10.9	6.0
Malta	672	15.8	0.3	5.9	0.0	50.3	27.8	0.0	22.0	16.1	17.5	14.6
Morocco	.	.	.	.	.	.	.	.	.	.	.	.
Norway	655	6.2	0.6	3.9	0.0	69.8	19.5	0.1	10.6	6.8	6.4	7.1
Oman	680	5.3	2.5	3.6	0.6	70.2	17.6	0.4	11.9	7.8	11.7	3.6
Palestinian Nat'l Auth.	629	4.4	0.9	1.9	0.5	73.9	18.4	0.0	7.7	5.3	7.1	3.6
Qatar	1018	2.1	0.4	1.3	0.8	53.7	41.6	0.1	4.6	2.5	3.7	1.3
Romania	603	7.5	1.3	6.6	1.8	53.9	28.9	0.0	17.1	8.8	11.7	5.6
Russian Federation	638	11.8	0.1	4.8	1.0	60.8	21.4	0.2	17.7	11.9	13.0	10.7
Saudi Arabia	615	3.6	0.0	2.0	2.3	69.0	23.1	0.1	7.9	3.6	4.3	3.0
Scotland	568	13.8	0.0	25.9	0.0	42.7	17.5	0.0	39.8	13.8	15.3	12.4
Serbia	577	2.7	0.6	0.5	0.8	69.9	25.6	0.0	4.6	3.3	3.3	3.2
Singapore	653	32.7	0.0	10.8	0.0	45.8	10.7	0.0	43.5	32.7	35.4	30.2
Slovenia	585	20.7	0.7	17.9	6.7	43.1	11.0	0.0	45.9	21.3	26.8	16.3
Sweden	729	17.7	3.3	2.9	12.4	43.1	20.3	0.2	36.4	21.1	27.6	15.2
Syrian Arab Republic	670	8.1	3.9	4.6	2.3	51.3	29.5	0.3	18.9	12.0	11.9	12.1
Thailand	766	12.6	1.0	10.4	2.0	52.8	21.0	0.2	26.0	13.6	15.3	11.8
Tunisia	582	10.2	1.4	5.8	0.7	64.9	17.0	0.0	18.1	11.6	11.9	11.4
Turkey	647	15.3	1.7	7.9	1.5	53.8	19.8	0.0	26.4	17.0	22.9	11.8
Ukraine	631	3.8	1.6	1.1	0.9	72.9	19.7	0.0	7.4	5.4	6.7	3.9
United States	1036	27.3	0.7	17.4	0.4	47.4	6.5	0.3	45.8	28.0	30.9	25.1
International Avg.	642	10.3	1.5	7.9	2.3	54.1	23.7	0.2	22.0	11.8	13.6	10.1
Basque Country, Spain	331	17.8	0.8	3.7	5.7	54.5	17.6	0.0	28.0	18.6	18.5	18.8
British Columbia, Canada	598	30.8	2.7	11.0	3.7	39.6	12.3	0.0	48.1	33.5	36.9	30.1
Dubai, UAE	459	13.1	1.4	5.9	2.1	54.3	23.2	0.0	22.5	14.6	17.5	11.0
Massachusetts, US	278	38.4	0.3	18.6	0.9	37.1	4.7	0.0	58.2	38.7	42.8	34.8
Minnesota, US	248	35.4	0.8	18.3	0.3	42.5	2.7	0.0	54.8	36.2	39.1	33.2
Ontario, Canada	496	35.5	3.5	14.3	5.7	32.6	8.4	0.0	59.0	39.0	47.1	31.3
Quebec, Canada	576	30.8	3.7	12.2	1.5	36.4	15.4	0.1	48.1	34.5	34.8	34.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S042305 - S10_10)
 Label: Classify elements/compounds/mixtures
 Type: CR Key: -

COUNTRY	N	20	10	70	71	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	733	1.9	14.2	51.9	21.5	7.7	2.8	0.0	16.1	1.9	1.2	2.6
Armenia	672	10.7	29.6	34.8	2.1	8.3	12.7	1.8	40.4	10.7	10.9	10.6
Australia	580	7.9	28.5	42.5	12.3	5.3	3.0	0.4	36.4	7.9	4.8	11.0
Bahrain	599	9.6	35.2	35.5	11.2	5.6	2.7	0.1	44.9	9.6	11.5	7.8
Bosnia and Herzegovina	607	26.5	23.2	30.2	7.0	5.0	7.9	0.2	49.7	26.5	30.8	22.7
Botswana	601	1.5	5.8	25.4	22.1	40.0	5.1	0.0	7.3	1.5	1.2	1.9
Bulgaria	443	18.7	21.5	25.4	5.4	8.3	20.2	0.4	40.2	18.7	18.2	19.1
Chinese Taipei	574	35.5	33.8	18.9	5.0	5.8	0.9	0.2	69.3	35.5	34.9	36.1
Colombia	694	5.4	22.6	38.5	20.4	8.9	3.6	0.6	28.0	5.4	4.9	5.9
Cyprus	625	5.9	24.9	42.9	14.1	4.7	7.5	0.0	30.8	5.9	6.6	5.2
Czech Republic	694	13.2	27.0	42.8	10.1	3.4	3.5	0.0	40.2	13.2	12.8	13.5
Egypt	934	5.1	29.6	40.5	10.6	10.2	3.9	0.3	34.6	5.1	7.4	2.8
El Salvador	576	1.5	18.7	40.6	19.4	11.7	7.8	0.3	20.2	1.5	0.3	2.8
England	569	16.4	30.1	38.7	9.5	3.7	1.6	0.0	46.5	16.4	14.1	19.1
Georgia	576	14.3	33.1	14.1	4.7	7.6	25.1	1.2	47.4	14.3	14.3	14.3
Ghana	758	8.1	13.9	15.5	6.4	34.9	20.7	0.5	22.0	8.1	6.9	9.2
Hong Kong SAR	501	8.3	28.7	35.6	14.5	7.8	5.1	0.0	37.0	8.3	6.6	9.8
Hungary	600	20.8	34.8	28.7	11.1	2.8	1.8	0.0	55.6	20.8	21.3	20.4
Indonesia	594	2.2	14.9	35.3	21.9	18.7	6.8	0.2	17.1	2.2	2.8	1.5
Iran, Islamic Rep. of	574	4.6	31.6	35.1	11.4	10.2	7.0	0.0	36.3	4.6	5.5	3.9
Israel	457	11.2	28.1	33.7	9.4	7.6	9.4	0.7	39.3	11.2	12.1	10.1
Italy	629	3.2	26.9	45.4	13.2	7.4	3.9	0.0	30.1	3.2	4.8	2.0
Japan	602	10.5	27.3	42.1	6.6	9.8	3.7	0.0	37.8	10.5	7.4	13.3
Jordan	763	15.1	41.0	28.5	8.1	5.0	2.2	0.1	56.1	15.1	19.8	10.9
Korea, Rep. of	603	7.7	28.9	42.3	13.0	5.6	2.5	0.0	36.6	7.7	7.6	7.7
Kuwait	569	5.7	26.1	34.5	9.7	11.7	11.7	0.6	31.7	5.7	7.8	3.2
Lebanon	538	8.5	32.8	33.8	10.5	10.3	3.4	0.7	41.3	8.5	7.9	9.3
Lithuania	571	10.9	25.8	41.4	14.0	4.7	3.2	0.0	36.7	10.9	14.6	7.3
Malaysia	635	3.6	20.0	42.0	17.3	13.1	3.9	0.1	23.6	3.6	3.3	3.9
Malta	672	9.5	25.1	37.9	14.0	8.6	4.8	0.0	34.6	9.5	9.4	9.6
Morocco	454	0.2	23.0	46.5	21.3	6.7	1.5	0.7	23.2	0.2	0.4	0.0
Norway	655	2.0	18.9	41.0	22.4	10.6	5.0	0.1	20.9	2.0	1.5	2.6
Oman	680	3.3	29.5	36.0	16.4	11.1	3.4	0.4	32.8	3.3	4.3	2.4
Palestinian Nat'l Auth.	628	8.6	29.5	34.7	12.5	10.8	4.0	0.0	38.1	8.6	11.3	5.8
Qatar	485	5.3	17.5	12.4	6.4	24.3	34.0	0.2	22.8	5.3	7.5	3.4
Romania	603	9.3	30.2	38.0	9.7	7.1	5.7	0.0	39.5	9.3	10.8	7.8
Russian Federation	638	29.2	25.1	26.6	8.0	4.0	6.9	0.2	54.3	29.2	30.1	28.4
Saudi Arabia	615	2.1	23.6	42.3	16.1	12.9	2.7	0.3	25.7	2.1	2.2	2.0
Scotland	568	8.4	35.9	36.9	8.8	5.8	4.0	0.1	44.3	8.4	6.5	10.5
Serbia	577	22.9	30.0	26.0	6.0	3.7	11.4	0.0	53.0	22.9	26.8	18.8
Singapore	653	29.6	31.4	23.7	9.6	4.2	1.5	0.0	61.0	29.6	28.5	30.7
Slovenia	585	23.7	41.4	26.4	5.0	3.0	0.4	0.0	65.1	23.7	26.3	21.4
Sweden	729	8.2	23.3	36.5	14.2	10.4	7.2	0.2	31.6	8.2	7.8	8.6
Syrian Arab Republic	670	2.3	28.8	39.4	18.9	6.2	4.0	0.5	31.1	2.3	2.3	2.3
Thailand	766	8.7	26.5	38.2	13.3	7.5	5.4	0.2	35.3	8.7	9.0	8.5
Tunisia	582	1.5	15.1	50.0	23.1	9.8	0.6	0.0	16.5	1.5	1.6	1.3
Turkey	647	10.5	25.5	40.0	13.5	6.7	3.6	0.1	36.0	10.5	12.8	8.5
Ukraine	631	6.1	20.8	30.1	18.0	13.6	11.0	0.5	26.8	6.1	3.8	8.9
United States	1036	9.7	37.5	34.9	7.8	6.7	3.0	0.4	47.2	9.7	7.2	12.3
International Avg.	627	10.1	26.5	35.0	12.4	9.4	6.4	0.3	36.6	10.1	10.4	9.8
Basque Country, Spain	331	4.2	28.9	40.6	20.8	3.5	2.1	0.0	33.0	4.2	2.9	5.4
British Columbia, Canada	598	3.1	31.3	40.9	11.7	8.1	4.9	0.0	34.4	3.1	2.5	3.8
Dubai, UAE	459	12.8	35.3	31.9	12.1	4.9	3.1	0.0	48.1	12.8	13.2	12.3
Massachusetts, US	278	17.2	39.6	32.7	5.7	3.4	1.3	0.0	56.9	17.2	11.3	22.7
Minnesota, US	248	6.8	31.8	40.8	12.3	7.1	1.3	0.0	38.6	6.8	3.4	10.4
Ontario, Canada	496	2.7	28.2	45.5	13.3	7.4	2.9	0.0	30.9	2.7	2.1	3.1
Quebec, Canada	576	4.2	23.0	43.3	18.5	8.2	2.7	0.1	27.2	4.2	1.8	6.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S042112 - S10_11)
 Label: Process in which energy is absorbed
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	772	61.7	13.0	13.2	8.8	61.7	3.4	0.0	65.6	58.1
Armenia	673	65.8	7.4	13.9	6.5	65.8	4.5	1.8	71.3	60.2
Australia	580	61.7	7.9	22.4	6.4	61.7	1.2	0.4	60.9	62.5
Bahrain	599	63.5	11.6	14.6	8.8	63.5	1.3	0.1	68.6	58.4
Bosnia and Herzegovina	607	47.0	15.2	25.0	8.8	47.0	3.7	0.2	52.4	42.2
Botswana	601	35.6	9.9	39.4	13.6	35.6	1.5	0.0	39.9	30.7
Bulgaria	443	52.9	4.6	27.0	12.0	52.9	2.9	0.6	51.7	54.0
Chinese Taipei	574	74.3	11.0	9.4	4.7	74.3	0.4	0.2	77.6	71.0
Colombia	694	74.8	8.7	9.7	5.0	74.8	1.0	1.0	79.0	69.7
Cyprus	625	52.1	14.9	20.5	11.4	52.1	1.1	0.0	53.9	50.1
Czech Republic	694	54.7	4.5	32.4	6.5	54.7	2.0	0.0	53.3	55.8
Egypt	934	64.0	13.1	15.9	6.3	64.0	0.5	0.3	65.8	62.2
El Salvador	576	61.5	21.7	10.6	5.3	61.5	0.5	0.3	65.7	56.9
England	569	71.0	7.5	16.7	3.8	71.0	1.0	0.0	68.7	73.8
Georgia	576	38.7	18.2	29.9	6.3	38.7	5.7	1.2	47.1	28.1
Ghana	758	39.9	20.9	19.0	16.0	39.9	3.0	1.2	38.5	41.1
Hong Kong SAR	501	77.2	5.5	13.3	3.2	77.2	0.7	0.0	77.3	77.2
Hungary	600	57.3	13.9	23.7	4.8	57.3	0.3	0.0	55.0	59.5
Indonesia	594	53.2	9.1	27.2	9.8	53.2	0.5	0.2	56.1	49.8
Iran, Islamic Rep. of	574	30.3	34.7	24.2	8.8	30.3	2.0	0.0	33.7	27.4
Israel	457	45.6	13.7	25.0	10.6	45.6	4.4	0.7	41.3	50.1
Italy	629	64.7	5.1	17.1	11.1	64.7	2.0	0.0	66.9	63.0
Japan	602	65.6	12.4	13.3	8.8	65.6	0.0	0.0	70.6	60.9
Jordan	763	58.0	12.5	19.7	8.9	58.0	0.7	0.1	58.8	57.3
Korea, Rep. of	603	80.5	4.7	10.2	4.4	80.5	0.2	0.0	81.8	79.3
Kuwait	569	54.1	17.8	14.1	10.6	54.1	2.5	0.9	54.7	53.4
Lebanon	534	45.2	19.6	21.1	10.0	45.2	3.3	0.7	44.7	45.8
Lithuania	570	49.0	11.8	21.0	16.7	49.0	1.5	0.0	46.9	51.1
Malaysia	635	42.6	19.5	20.1	16.8	42.6	0.8	0.2	43.9	41.2
Malta	670	49.3	13.4	24.7	11.0	49.3	1.5	0.0	49.1	49.5
Morocco	452	43.1	16.8	25.9	8.8	43.1	4.4	0.9	41.4	45.7
Norway	655	50.4	14.8	20.6	11.4	50.4	2.6	0.1	49.0	51.8
Oman	680	49.3	18.9	22.3	8.0	49.3	1.1	0.4	53.5	45.0
Palestinian Nat'l Auth.	628	59.1	12.9	17.1	10.0	59.1	1.0	0.0	64.8	53.5
Qatar	1017	37.7	22.1	22.2	16.9	37.7	1.0	0.1	42.3	33.2
Romania	603	52.6	19.0	19.1	8.0	52.6	1.4	0.0	57.4	47.7
Russian Federation	638	56.2	8.8	25.1	7.9	56.2	1.8	0.2	53.7	58.7
Saudi Arabia	614	58.2	15.9	14.2	10.8	58.2	0.6	0.3	64.9	52.1
Scotland	568	65.1	8.4	20.4	5.0	65.1	0.9	0.1	63.1	67.2
Serbia	573	39.7	14.0	26.0	13.6	39.7	6.4	0.3	40.6	38.7
Singapore	653	67.3	9.3	17.2	6.1	67.3	0.2	0.0	66.2	68.3
Slovenia	585	42.9	17.2	30.1	8.9	42.9	0.9	0.0	45.7	40.4
Sweden	729	69.2	4.7	19.6	5.1	69.2	1.2	0.2	71.9	66.8
Syrian Arab Republic	670	63.7	11.1	15.1	8.7	63.7	0.9	0.6	65.7	61.5
Thailand	766	61.8	11.9	17.4	7.9	61.8	0.8	0.2	64.1	59.2
Tunisia	582	58.3	8.9	25.1	5.0	58.3	2.7	0.0	57.2	59.5
Turkey	647	57.9	11.2	19.0	11.3	57.9	0.2	0.3	59.0	57.0
Ukraine	631	51.6	13.0	24.5	9.5	51.6	1.0	0.5	51.3	51.9
United States	1036	72.8	7.3	14.5	4.3	72.8	0.4	0.7	71.5	74.1
International Avg.	639	56.1	12.9	20.2	8.8	56.1	1.7	0.3	57.6	54.5
Basque Country, Spain	331	67.5	10.4	13.5	4.6	67.5	4.0	0.0	71.1	64.1
British Columbia, Canada	598	67.8	5.8	16.7	7.6	67.8	1.9	0.2	66.9	68.7
Dubai, UAE	459	66.6	11.3	15.0	5.2	66.6	1.9	0.0	64.4	69.3
Massachusetts, US	278	80.9	3.2	12.7	3.2	80.9	0.0	0.0	76.0	85.5
Minnesota, US	248	79.1	5.6	9.1	5.6	79.1	0.5	0.0	76.4	82.0
Ontario, Canada	496	73.4	4.0	13.4	8.3	73.4	0.4	0.5	75.2	71.7
Quebec, Canada	576	63.1	6.4	21.1	7.7	63.1	1.6	0.1	64.8	61.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042173 - S10_12)
 Label: Change-stay the same/DERIVED
 Type: CR Key: -

COUNTRY	N	20	10	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	730	0.0	39.7	60.0	0.3	0.0	39.7	0.0	0.0	0.0
Armenia	675	55.0	27.8	5.9	9.4	1.8	82.9	55.0	56.5	53.6
Australia	580	24.3	60.9	11.2	2.9	0.8	85.2	24.3	21.2	27.4
Bahrain	599	31.0	56.2	10.4	2.3	0.1	87.2	31.0	31.2	30.9
Bosnia and Herzegovina	607	26.1	51.2	11.4	11.1	0.2	77.3	26.1	26.7	25.6
Botswana	601	12.1	50.3	32.0	5.6	0.0	62.4	12.1	14.7	9.3
Bulgaria	443	36.4	39.0	6.8	17.0	0.7	75.4	36.4	39.7	33.4
Chinese Taipei	574	50.4	43.5	5.2	0.6	0.2	94.0	50.4	51.4	49.5
Colombia	694	22.6	55.8	16.5	3.8	1.3	78.4	22.6	22.7	22.4
Cyprus	625	34.0	49.8	9.3	6.5	0.4	83.8	34.0	35.9	32.0
Czech Republic	694	32.5	57.7	6.4	3.4	0.0	90.3	32.5	29.0	35.5
Egypt	934	22.2	55.6	15.2	6.7	0.3	77.8	22.2	20.8	23.6
El Salvador	576	20.4	52.9	19.7	6.5	0.4	73.4	20.4	22.9	17.7
England	569	36.2	49.6	12.0	2.2	0.0	85.7	36.2	34.0	38.7
Georgia	576	24.4	32.6	15.1	26.6	1.4	57.0	24.4	26.5	21.7
Ghana	758	7.6	22.7	29.5	38.6	1.7	30.2	7.6	8.8	6.5
Hong Kong SAR	501	43.9	45.7	5.8	4.6	0.0	89.6	43.9	43.2	44.5
Hungary	600	37.1	53.4	8.9	0.7	0.0	90.5	37.1	31.8	41.8
Indonesia	593	19.6	59.7	16.0	4.6	0.2	79.2	19.6	17.0	22.6
Iran, Islamic Rep. of	574	33.0	51.5	11.3	4.1	0.0	84.6	33.0	37.8	29.0
Israel	457	51.4	32.8	6.1	8.8	1.0	84.2	51.4	55.3	46.9
Italy	629	31.1	54.4	9.7	4.8	0.0	85.5	31.1	29.8	32.1
Japan	602	48.0	42.3	7.1	2.6	0.0	90.3	48.0	45.1	50.6
Jordan	763	36.4	51.8	8.4	3.2	0.1	88.3	36.4	39.9	33.3
Korea, Rep. of	603	54.7	39.3	4.1	2.0	0.0	93.9	54.7	52.5	56.7
Kuwait	569	19.5	53.0	9.4	17.2	0.9	72.5	19.5	23.0	15.4
Lebanon	538	22.1	58.2	12.9	6.0	0.7	80.3	22.1	20.7	23.8
Lithuania	571	32.9	53.3	12.2	1.6	0.0	86.2	32.9	30.8	35.0
Malaysia	635	30.0	55.4	10.7	3.7	0.2	85.3	30.0	32.5	27.2
Malta	670	26.3	57.3	12.2	4.2	0.0	83.6	26.3	21.4	31.4
Morocco	.	.	.	.	.	.	.	.	.	.
Norway	655	35.5	49.6	10.5	4.3	0.1	85.1	35.5	33.7	37.3
Oman	680	27.8	57.0	10.2	4.7	0.4	84.8	27.8	32.8	22.6
Palestinian Nat'l Auth.	629	22.2	56.8	15.9	5.1	0.0	79.0	22.2	22.8	21.5
Qatar	1018	20.3	44.3	17.2	18.1	0.1	64.6	20.3	22.3	18.3
Romania	603	24.2	57.7	9.6	8.2	0.2	82.0	24.2	25.1	23.3
Russian Federation	638	40.3	45.9	9.3	4.4	0.2	86.2	40.3	42.8	37.8
Saudi Arabia	615	27.9	56.1	12.6	3.0	0.3	84.0	27.9	26.2	29.4
Scotland	568	25.8	60.6	9.1	4.3	0.1	86.5	25.8	26.1	25.5
Serbia	577	20.1	56.2	11.8	11.5	0.4	76.3	20.1	22.8	17.2
Singapore	653	46.0	48.5	4.0	1.6	0.0	94.5	46.0	49.7	42.4
Slovenia	585	39.4	50.5	8.9	1.3	0.0	89.8	39.4	40.0	38.8
Sweden	729	30.9	49.7	12.8	6.5	0.2	80.6	30.9	28.7	32.9
Syrian Arab Republic	670	30.0	49.4	13.1	6.9	0.6	79.3	30.0	29.4	30.6
Thailand	766	22.6	62.3	11.2	3.7	0.2	84.9	22.6	25.0	19.9
Tunisia	581	25.2	59.8	13.0	1.7	0.3	85.0	25.2	25.4	25.0
Turkey	647	29.1	56.8	10.7	3.2	0.3	85.8	29.1	31.0	27.4
Ukraine	631	32.0	47.2	11.8	8.6	0.5	79.2	32.0	31.1	33.1
United States	1036	33.8	53.5	9.4	2.6	0.7	87.3	33.8	33.5	34.1
International Avg.	642	30.3	50.3	12.5	6.5	0.4	80.6	30.3	30.7	29.9
Basque Country, Spain	331	39.0	51.6	7.4	2.0	0.0	90.6	39.0	43.7	34.6
British Columbia, Canada	598	44.0	45.0	5.9	4.9	0.2	89.0	44.0	40.1	47.8
Dubai, UAE	459	30.0	56.2	10.3	3.5	0.0	86.2	30.0	29.2	31.0
Massachusetts, US	278	45.3	48.5	4.4	1.8	0.0	93.8	45.3	42.1	48.2
Minnesota, US	248	31.6	57.9	9.5	0.9	0.0	89.5	31.6	29.5	33.9
Ontario, Canada	496	34.4	57.1	5.1	2.6	0.8	91.5	34.4	33.5	35.3
Quebec, Canada	576	21.4	64.2	11.0	3.1	0.3	85.6	21.4	19.6	23.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042173A - S10_12A)
 Label: Change-stay the same/density
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	730	5.2	94.4	0.3	0.0	5.2	4.7	5.7
Armenia	675	76.1	10.8	11.3	1.8	76.1	78.3	74.0
Australia	580	65.7	30.0	3.5	0.8	65.7	59.0	72.7
Bahrain	599	74.3	23.2	2.4	0.1	74.3	76.2	72.3
Bosnia and Herzegovina	607	67.6	19.9	12.3	0.2	67.6	68.9	66.5
Botswana	601	39.8	51.1	9.2	0.0	39.8	43.6	35.5
Bulgaria	443	65.2	15.7	18.4	0.7	65.2	67.6	63.0
Chinese Taipei	574	76.8	21.8	1.2	0.2	76.8	76.6	77.0
Colombia	694	61.6	30.9	6.2	1.3	61.6	62.3	60.8
Cyprus	625	60.2	32.6	6.9	0.4	60.2	59.9	60.5
Czech Republic	694	72.1	24.6	3.4	0.0	72.1	69.1	74.5
Egypt	934	63.7	27.5	8.5	0.3	63.7	64.2	63.3
El Salvador	576	55.0	35.1	9.4	0.4	55.0	55.5	54.6
England	569	66.2	30.4	3.4	0.0	66.2	62.0	71.2
Georgia	576	38.0	30.1	30.5	1.4	38.0	41.1	34.3
Ghana	758	19.8	37.5	41.0	1.7	19.8	19.3	20.2
Hong Kong SAR	501	76.1	19.1	4.8	0.0	76.1	76.3	75.9
Hungary	600	85.0	13.8	1.2	0.0	85.0	84.9	85.1
Indonesia	593	50.5	43.3	5.9	0.2	50.5	49.8	51.4
Iran, Islamic Rep. of	574	59.5	35.5	5.0	0.0	59.5	62.1	57.3
Israel	457	76.5	13.8	8.8	1.0	76.5	75.7	77.2
Italy	629	70.9	22.6	6.5	0.0	70.9	68.8	72.6
Japan	602	74.3	23.1	2.6	0.0	74.3	74.0	74.6
Jordan	763	69.9	26.1	3.9	0.1	69.9	70.5	69.3
Korea, Rep. of	603	63.7	34.3	2.0	0.0	63.7	62.9	64.5
Kuwait	569	56.0	25.9	17.2	0.9	56.0	61.3	49.7
Lebanon	538	51.4	40.9	7.0	0.7	51.4	50.4	52.6
Lithuania	571	75.2	22.8	1.9	0.0	75.2	72.7	77.8
Malaysia	635	59.4	34.6	5.8	0.2	59.4	57.0	62.0
Malta	670	56.8	38.0	5.2	0.0	56.8	53.7	60.1
Morocco	.	.	.	.	.	.	.	.
Norway	655	72.9	22.4	4.5	0.1	72.9	69.0	76.8
Oman	680	65.5	27.9	6.3	0.4	65.5	68.1	62.8
Palestinian Nat'l Auth.	629	63.4	30.6	6.0	0.0	63.4	66.0	60.8
Qatar	1018	51.7	29.7	18.4	0.1	51.7	57.9	45.6
Romania	603	64.5	26.2	9.2	0.2	64.5	64.1	64.8
Russian Federation	638	73.1	20.8	5.9	0.2	73.1	73.3	72.9
Saudi Arabia	615	66.4	29.7	3.6	0.3	66.4	66.9	66.0
Scotland	568	65.5	29.6	4.7	0.1	65.5	64.2	66.9
Serbia	577	66.4	21.1	12.1	0.4	66.4	67.9	64.7
Singapore	653	77.9	20.4	1.7	0.0	77.9	81.0	74.9
Slovenia	585	73.7	24.9	1.4	0.0	73.7	73.0	74.4
Sweden	729	58.8	33.3	7.7	0.2	58.8	55.1	62.2
Syrian Arab Republic	670	64.3	26.1	9.1	0.6	64.3	66.4	62.1
Thailand	766	62.5	33.4	3.8	0.2	62.5	62.5	62.6
Tunisia	581	59.5	37.2	3.0	0.3	59.5	58.0	61.1
Turkey	647	67.5	27.6	4.7	0.3	67.5	66.0	68.8
Ukraine	631	61.1	28.0	10.4	0.5	61.1	62.8	59.1
United States	1036	71.0	25.6	2.8	0.7	71.0	69.5	72.5
International Avg.	642	62.9	29.2	7.5	0.4	62.9	62.9	62.8
Basque Country, Spain	331	66.4	31.4	2.2	0.0	66.4	64.1	68.6
British Columbia, Canada	598	75.9	18.9	5.0	0.2	75.9	77.0	74.7
Dubai, UAE	459	65.4	30.7	3.9	0.0	65.4	64.6	66.3
Massachusetts, US	278	74.5	23.2	2.3	0.0	74.5	75.2	73.8
Minnesota, US	248	78.4	20.7	0.9	0.0	78.4	77.1	79.7
Ontario, Canada	496	72.3	24.2	2.6	0.8	72.3	73.9	70.8
Quebec, Canada	576	62.9	32.9	3.9	0.3	62.9	62.8	63.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042173B - S10_12B)
 Label: Change-stay the same/mass
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	730	50.0	45.8	4.3	0.0	50.0	52.8	47.4
Armenia	675	53.1	30.3	14.4	2.2	53.1	54.7	51.5
Australia	580	33.6	62.4	3.0	1.0	33.6	29.3	38.1
Bahrain	599	49.9	47.6	2.4	0.1	49.9	50.4	49.5
Bosnia and Herzegovina	607	45.1	41.4	13.1	0.4	45.1	47.2	43.1
Botswana	601	26.4	65.3	8.0	0.2	26.4	31.4	20.9
Bulgaria	443	37.3	42.0	20.0	0.7	37.3	42.2	32.9
Chinese Taipei	574	70.0	28.8	1.0	0.2	70.0	70.9	69.1
Colombia	694	39.1	54.5	4.7	1.6	39.1	40.8	37.1
Cyprus	625	47.1	45.1	7.4	0.4	47.1	51.5	42.2
Czech Republic	694	37.2	59.1	3.7	0.0	37.2	36.8	37.5
Egypt	934	47.1	44.8	7.8	0.3	47.1	46.3	47.9
El Salvador	576	38.8	50.3	9.6	1.3	38.8	42.9	34.4
England	569	42.3	55.2	2.5	0.0	42.3	42.1	42.6
Georgia	576	30.0	39.1	29.5	1.4	30.0	32.5	26.8
Ghana	758	16.0	40.3	41.1	2.5	16.0	17.1	15.0
Hong Kong SAR	501	50.9	43.8	5.3	0.0	50.9	54.6	47.5
Hungary	600	30.0	69.1	0.8	0.1	30.0	26.9	32.8
Indonesia	593	37.2	57.2	5.4	0.2	37.2	36.5	38.1
Iran, Islamic Rep. of	574	48.8	45.8	5.4	0.0	48.8	51.9	46.3
Israel	457	56.0	33.9	9.1	1.0	56.0	60.1	51.6
Italy	629	42.4	52.1	5.5	0.0	42.4	43.1	41.8
Japan	602	57.5	39.9	2.6	0.0	57.5	57.5	57.5
Jordan	763	47.6	47.9	4.3	0.1	47.6	54.5	41.3
Korea, Rep. of	603	66.9	31.1	2.0	0.0	66.9	65.9	67.8
Kuwait	569	36.9	43.8	18.0	1.3	36.9	41.8	31.1
Lebanon	538	47.6	45.0	6.5	1.0	47.6	45.0	50.9
Lithuania	571	37.9	60.3	1.8	0.0	37.9	38.2	37.6
Malaysia	635	43.9	50.4	5.6	0.2	43.9	43.5	44.2
Malta	670	39.7	55.5	4.8	0.0	39.7	38.6	40.9
Morocco	.	.	.	.	.	.	.	.
Norway	655	45.2	50.0	4.7	0.1	45.2	48.0	42.4
Oman	680	49.6	43.7	6.2	0.5	49.6	51.4	47.7
Palestinian Nat'l Auth.	629	45.0	47.9	7.0	0.1	45.0	48.4	41.6
Qatar	1018	36.6	44.3	18.9	0.2	36.6	40.4	32.9
Romania	603	35.6	54.9	9.3	0.2	35.6	38.5	32.6
Russian Federation	638	35.5	57.1	7.1	0.2	35.5	39.9	31.1
Saudi Arabia	615	47.5	49.0	3.1	0.5	47.5	49.5	45.6
Scotland	568	41.3	53.6	4.9	0.1	41.3	46.7	35.8
Serbia	577	40.8	46.8	12.0	0.4	40.8	46.4	34.8
Singapore	653	41.5	56.6	1.9	0.0	41.5	43.8	39.4
Slovenia	585	42.8	55.4	1.8	0.0	42.8	39.4	46.0
Sweden	729	43.1	49.7	7.1	0.2	43.1	42.3	43.8
Syrian Arab Republic	670	51.2	38.8	9.5	0.6	51.2	51.2	51.2
Thailand	766	46.7	48.9	4.1	0.4	46.7	47.9	45.4
Tunisia	581	43.4	54.1	1.6	0.8	43.4	44.2	42.6
Turkey	647	48.9	45.6	5.2	0.3	48.9	53.6	44.8
Ukraine	631	34.5	53.8	11.1	0.6	34.5	33.7	35.5
United States	1036	36.1	60.3	2.9	0.7	36.1	35.3	36.9
International Avg.	642	43.2	48.7	7.7	0.5	43.2	44.7	41.6
Basque Country, Spain	331	42.2	55.6	2.2	0.0	42.2	48.2	36.6
British Columbia, Canada	598	37.2	57.4	5.0	0.3	37.2	33.1	41.3
Dubai, UAE	459	44.2	52.0	3.5	0.3	44.2	42.0	46.9
Massachusetts, US	278	51.9	45.8	2.3	0.0	51.9	53.9	50.0
Minnesota, US	248	37.9	61.2	0.9	0.0	37.9	44.4	31.2
Ontario, Canada	496	36.6	59.7	2.9	0.8	36.6	33.1	40.0
Quebec, Canada	576	41.7	54.8	3.1	0.3	41.7	40.9	42.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042173C - S10_12C)
 Label: Change-stay the same/volume
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	730	40.8	55.1	4.1	0.0	40.8	40.4	41.3
Armenia	675	69.5	16.2	12.1	2.2	69.5	69.9	69.1
Australia	580	55.3	40.8	2.9	1.0	55.3	57.6	52.9
Bahrain	599	60.1	36.7	3.1	0.1	60.1	58.5	61.7
Bosnia and Herzegovina	607	48.4	36.0	15.3	0.4	48.4	48.9	47.8
Botswana	601	43.6	46.7	9.5	0.2	43.6	52.6	33.6
Bulgaria	443	58.8	20.1	20.3	0.7	58.8	60.1	57.7
Chinese Taipei	574	77.5	21.1	1.2	0.2	77.5	74.8	80.3
Colombia	694	60.6	31.5	6.3	1.6	60.6	60.0	61.3
Cyprus	625	59.1	33.1	7.5	0.4	59.1	59.9	58.2
Czech Republic	694	61.2	34.8	3.9	0.0	61.2	57.3	64.5
Egypt	934	49.6	41.1	9.0	0.3	49.6	50.6	48.5
El Salvador	576	58.3	28.5	11.9	1.3	58.3	58.7	57.8
England	569	60.7	36.5	2.8	0.0	60.7	60.8	60.7
Georgia	576	45.9	22.9	29.8	1.4	45.9	49.8	41.0
Ghana	758	21.6	33.4	42.5	2.5	21.6	19.5	23.4
Hong Kong SAR	501	65.8	29.6	4.6	0.0	65.8	66.8	64.9
Hungary	600	67.8	30.9	1.2	0.1	67.8	67.4	68.1
Indonesia	593	63.3	30.4	6.1	0.2	63.3	59.6	67.6
Iran, Islamic Rep. of	574	63.2	31.1	5.7	0.0	63.2	63.0	63.3
Israel	457	66.9	23.0	9.2	1.0	66.9	68.7	64.6
Italy	629	67.1	27.2	5.7	0.0	67.1	66.2	67.8
Japan	602	74.4	22.8	2.8	0.0	74.4	70.7	77.8
Jordan	763	65.4	29.9	4.6	0.1	65.4	63.6	67.0
Korea, Rep. of	603	79.5	18.5	2.0	0.0	79.5	76.8	81.9
Kuwait	569	48.6	32.3	17.9	1.3	48.6	54.9	41.1
Lebanon	538	63.6	28.3	7.1	1.0	63.6	66.2	60.3
Lithuania	571	58.8	38.6	2.7	0.0	58.8	59.3	58.3
Malaysia	635	63.2	31.8	4.8	0.2	63.2	65.6	60.5
Malta	670	58.6	36.3	5.1	0.0	58.6	57.7	59.5
Morocco	.	.	.	.	.	.	.	.
Norway	655	61.0	33.1	5.8	0.1	61.0	60.2	61.7
Oman	680	57.3	35.5	6.7	0.5	57.3	60.5	54.0
Palestinian Nat'l Auth.	629	56.5	36.5	6.9	0.1	56.5	59.1	53.9
Qatar	1018	46.2	34.9	18.7	0.2	46.2	53.2	39.3
Romania	603	66.5	23.7	9.5	0.2	66.5	69.6	63.3
Russian Federation	638	64.0	27.9	7.9	0.2	64.0	61.2	66.7
Saudi Arabia	615	57.1	39.4	3.0	0.5	57.1	56.6	57.5
Scotland	568	58.8	35.9	5.1	0.1	58.8	63.0	54.6
Serbia	577	49.5	36.9	13.2	0.4	49.5	50.7	48.2
Singapore	653	60.1	38.2	1.7	0.0	60.1	59.7	60.5
Slovenia	585	68.4	30.0	1.6	0.0	68.4	66.7	69.9
Sweden	729	64.3	28.4	7.1	0.2	64.3	65.1	63.6
Syrian Arab Republic	670	57.5	31.8	10.2	0.6	57.5	54.8	60.2
Thailand	766	60.0	35.7	4.0	0.4	60.0	64.7	54.8
Tunisia	581	63.2	34.3	1.6	0.8	63.2	60.6	66.3
Turkey	647	59.4	34.4	6.0	0.3	59.4	57.5	61.1
Ukraine	631	60.5	27.6	11.4	0.6	60.5	60.5	60.4
United States	1036	62.2	34.2	3.0	0.7	62.2	65.6	58.7
International Avg.	642	59.4	32.2	8.0	0.5	59.4	59.9	58.7
Basque Country, Spain	331	74.9	22.7	2.5	0.0	74.9	78.0	71.9
British Columbia, Canada	598	60.8	33.3	5.6	0.3	60.8	60.7	60.9
Dubai, UAE	459	59.4	36.6	3.7	0.3	59.4	57.6	61.5
Massachusetts, US	278	67.3	30.8	1.8	0.0	67.3	65.7	68.9
Minnesota, US	248	59.9	38.9	1.2	0.0	59.9	63.3	56.4
Ontario, Canada	496	62.7	33.5	2.9	0.8	62.7	62.9	62.5
Quebec, Canada	576	61.2	35.0	3.5	0.3	61.2	61.3	61.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042173D - S10_12D)
 Label: Change-stay the same/molecule size
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	730	21.9	73.8	4.3	0.0	21.9	22.7	21.2
Armenia	675	63.8	18.9	15.1	2.2	63.8	63.7	63.9
Australia	580	51.4	44.9	2.7	1.0	51.4	50.2	52.6
Bahrain	599	45.5	51.8	2.7	0.1	45.5	43.1	47.8
Bosnia and Herzegovina	607	45.5	39.7	14.4	0.4	45.5	43.4	47.5
Botswana	601	36.0	51.8	12.0	0.2	36.0	40.9	30.4
Bulgaria	443	52.2	25.5	21.6	0.7	52.2	53.3	51.2
Chinese Taipei	574	55.8	42.5	1.5	0.2	55.8	55.7	55.9
Colombia	694	44.7	47.2	6.5	1.6	44.7	42.0	48.0
Cyprus	625	58.5	33.3	7.8	0.4	58.5	58.7	58.4
Czech Republic	694	64.1	31.8	4.0	0.0	64.1	65.6	62.9
Egypt	934	37.5	53.1	9.1	0.3	37.5	37.9	37.1
El Salvador	576	40.7	45.8	12.2	1.3	40.7	42.9	38.3
England	569	60.3	36.1	3.6	0.0	60.3	56.5	64.9
Georgia	576	40.2	25.3	33.1	1.4	40.2	42.3	37.7
Ghana	758	16.5	32.4	48.5	2.5	16.5	16.1	16.8
Hong Kong SAR	501	61.6	33.5	4.8	0.0	61.6	61.1	62.1
Hungary	600	69.5	29.0	1.4	0.1	69.5	67.5	71.4
Indonesia	593	41.9	51.5	6.4	0.2	41.9	41.2	42.7
Iran, Islamic Rep. of	574	50.8	42.5	6.8	0.0	50.8	52.3	49.5
Israel	457	64.5	25.5	9.1	1.0	64.5	65.9	62.8
Italy	629	54.1	39.4	6.6	0.0	54.1	51.5	56.1
Japan	602	70.1	27.3	2.6	0.0	70.1	68.3	71.7
Jordan	763	48.9	47.1	3.9	0.1	48.9	42.5	54.7
Korea, Rep. of	603	69.0	28.9	2.1	0.0	69.0	69.5	68.4
Kuwait	569	30.9	49.6	18.1	1.3	30.9	35.3	25.9
Lebanon	538	50.0	41.4	7.6	1.0	50.0	51.7	47.9
Lithuania	571	56.4	40.7	2.9	0.0	56.4	58.2	54.6
Malaysia	635	45.2	48.6	6.0	0.2	45.2	46.8	43.4
Malta	670	53.0	41.5	5.5	0.0	53.0	49.7	56.5
Morocco	.	.	.	.	.	.	.	.
Norway	655	58.0	36.2	5.7	0.1	58.0	56.7	59.2
Oman	680	42.3	51.1	6.1	0.5	42.3	46.1	38.3
Palestinian Nat'l Auth.	629	39.3	52.9	7.7	0.1	39.3	40.5	38.1
Qatar	1018	35.3	45.6	18.9	0.2	35.3	40.3	30.5
Romania	603	47.5	42.5	9.8	0.2	47.5	48.4	46.6
Russian Federation	638	65.3	27.2	7.3	0.2	65.3	64.9	65.7
Saudi Arabia	615	43.9	52.5	3.2	0.5	43.9	39.8	47.6
Scotland	568	45.5	49.6	4.8	0.1	45.5	43.2	47.8
Serbia	577	46.8	39.5	13.2	0.4	46.8	51.4	42.1
Singapore	653	64.8	33.4	1.9	0.0	64.8	64.6	65.0
Slovenia	585	64.1	34.2	1.7	0.0	64.1	67.2	61.2
Sweden	729	55.3	37.2	7.3	0.2	55.3	55.9	54.7
Syrian Arab Republic	670	46.1	42.4	11.0	0.6	46.1	46.9	45.3
Thailand	766	38.6	57.2	3.8	0.4	38.6	40.1	36.9
Tunisia	581	48.4	49.0	1.7	0.8	48.4	50.4	46.2
Turkey	647	41.8	52.7	5.2	0.3	41.8	42.8	41.0
Ukraine	631	56.5	29.5	13.4	0.6	56.5	56.0	57.2
United States	1036	61.5	34.4	3.4	0.7	61.5	61.9	61.0
International Avg.	642	50.0	41.0	8.5	0.5	50.0	50.3	49.7
Basque Country, Spain	331	65.3	31.9	2.8	0.0	65.3	63.5	67.1
British Columbia, Canada	598	60.5	34.2	4.9	0.3	60.5	58.0	63.0
Dubai, UAE	459	51.3	44.5	3.9	0.3	51.3	52.4	50.0
Massachusetts, US	278	68.3	29.3	2.3	0.0	68.3	66.4	70.2
Minnesota, US	248	55.1	43.9	0.9	0.0	55.1	48.1	62.4
Ontario, Canada	496	56.0	39.4	3.7	0.8	56.0	56.9	55.2
Quebec, Canada	576	54.2	41.9	3.6	0.3	54.2	54.5	54.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042173E - S10_12E)
 Label: Change-stay the same/molecule speed
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	727	6.1	93.4	0.5	0.0	6.1	7.4	4.9
Armenia	675	73.9	9.2	14.7	2.2	73.9	77.5	70.2
Australia	580	73.5	22.8	2.7	1.0	73.5	77.1	69.8
Bahrain	599	64.9	32.4	2.6	0.1	64.9	68.2	61.6
Bosnia and Herzegovina	607	55.3	29.7	14.6	0.4	55.3	54.0	56.5
Botswana	601	45.4	43.5	10.8	0.2	45.4	50.2	40.1
Bulgaria	443	59.8	19.2	20.2	0.7	59.8	68.6	51.9
Chinese Taipei	574	61.3	37.2	1.3	0.2	61.3	67.4	55.1
Colombia	694	56.0	37.1	5.3	1.6	56.0	58.3	53.3
Cyprus	625	68.1	24.7	6.8	0.4	68.1	70.8	65.1
Czech Republic	694	69.8	26.1	4.0	0.0	69.8	68.6	70.8
Egypt	934	58.7	33.0	8.0	0.3	58.7	58.9	58.5
El Salvador	576	50.2	38.0	10.5	1.3	50.2	49.1	51.5
England	569	76.5	20.7	2.8	0.0	76.5	76.0	77.2
Georgia	576	48.8	17.4	32.5	1.4	48.8	51.1	46.0
Ghana	758	22.1	25.8	49.4	2.7	22.1	23.0	21.4
Hong Kong SAR	501	69.6	25.6	4.9	0.0	69.6	73.1	66.4
Hungary	600	64.3	34.3	1.3	0.1	64.3	63.0	65.5
Indonesia	592	62.6	31.1	6.1	0.2	62.6	61.8	63.5
Iran, Islamic Rep. of	574	73.7	20.6	5.7	0.0	73.7	79.1	69.2
Israel	457	69.2	20.8	9.1	1.0	69.2	68.9	69.4
Italy	629	57.4	36.7	5.9	0.0	57.4	58.9	56.2
Japan	602	61.2	36.2	2.6	0.0	61.2	62.2	60.3
Jordan	763	71.6	24.1	4.1	0.1	71.6	75.5	68.1
Korea, Rep. of	603	80.1	17.6	2.3	0.0	80.1	81.8	78.6
Kuwait	569	56.7	24.0	18.0	1.3	56.7	65.0	47.0
Lebanon	538	48.6	43.0	7.5	1.0	48.6	48.2	49.0
Lithuania	571	66.4	30.5	3.1	0.0	66.4	66.5	66.4
Malaysia	635	73.9	19.9	5.9	0.3	73.9	79.1	68.2
Malta	670	69.6	24.8	5.5	0.1	69.6	70.7	68.4
Morocco	.	.	.	.	.	.	.	.
Norway	655	67.9	26.4	5.6	0.1	67.9	67.1	68.7
Oman	680	66.2	27.9	5.4	0.5	66.2	75.7	56.2
Palestinian Nat'l Auth.	629	55.4	37.5	6.9	0.1	55.4	59.4	51.4
Qatar	1018	46.7	33.9	19.1	0.2	46.7	56.7	36.9
Romania	603	52.6	36.9	10.2	0.2	52.6	54.3	50.9
Russian Federation	638	74.1	19.8	5.9	0.2	74.1	80.0	68.2
Saudi Arabia	615	65.4	30.8	3.3	0.5	65.4	69.2	61.9
Scotland	568	71.5	23.5	4.8	0.1	71.5	74.0	69.0
Serbia	577	49.1	36.9	13.6	0.4	49.1	53.0	44.9
Singapore	653	85.9	12.3	1.7	0.0	85.9	88.7	83.3
Slovenia	585	68.6	29.7	1.7	0.0	68.6	69.6	67.7
Sweden	729	64.7	28.3	6.9	0.2	64.7	66.2	63.3
Syrian Arab Republic	670	52.2	36.8	10.4	0.6	52.2	53.4	51.0
Thailand	766	66.3	29.2	4.1	0.4	66.3	67.8	64.8
Tunisia	581	63.6	34.4	1.2	0.8	63.6	63.7	63.4
Turkey	647	68.5	27.0	4.3	0.3	68.5	72.0	65.4
Ukraine	631	62.2	24.3	12.9	0.6	62.2	67.1	56.3
United States	1036	72.3	24.1	2.9	0.7	72.3	69.9	74.7
International Avg.	642	61.8	29.6	8.1	0.5	61.8	64.3	59.3
Basque Country, Spain	331	70.3	27.2	2.5	0.0	70.3	68.4	72.0
British Columbia, Canada	598	83.7	10.8	5.1	0.3	83.7	85.9	81.6
Dubai, UAE	459	69.8	26.6	3.3	0.3	69.8	73.8	65.1
Massachusetts, US	278	78.4	19.2	2.3	0.0	78.4	74.3	82.3
Minnesota, US	248	72.0	27.1	0.9	0.0	72.0	69.3	74.8
Ontario, Canada	496	80.0	15.7	3.5	0.8	80.0	84.2	75.9
Quebec, Canada	576	56.5	39.6	3.5	0.3	56.5	57.2	55.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042407 - S10_13)

Label: Which ice block will melt first

Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	723	31.3	39.6	26.5	2.6	0.0	31.3	34.5	28.3
Armenia	674	27.1	12.3	48.4	10.0	2.2	27.1	30.0	24.2
Australia	580	41.9	26.5	29.7	0.9	1.0	41.9	42.3	41.5
Bahrain	599	46.3	28.2	24.4	1.1	0.1	46.3	55.9	36.7
Bosnia and Herzegovina	607	26.3	22.8	47.2	3.3	0.4	26.3	26.7	25.9
Botswana	601	31.8	9.7	56.8	1.4	0.2	31.8	36.7	26.3
Bulgaria	443	26.8	21.7	43.4	7.3	0.7	26.8	25.2	28.3
Chinese Taipei	574	68.2	14.8	16.7	0.0	0.2	68.2	76.7	59.7
Colombia	694	36.8	24.8	35.7	1.0	1.6	36.8	36.8	36.8
Cyprus	625	64.0	32.2	1.8	1.6	0.4	64.0	67.1	60.5
Czech Republic	694	40.7	29.8	28.9	0.6	0.0	40.7	39.8	41.4
Egypt	934	38.7	13.7	44.0	3.3	0.3	38.7	39.4	38.0
El Salvador	576	46.8	18.0	30.8	3.2	1.3	46.8	47.7	45.7
England	569	35.3	39.3	24.0	1.4	0.0	35.3	35.7	34.7
Georgia	576	26.1	19.6	45.1	7.8	1.4	26.1	31.5	19.3
Ghana	758	19.1	6.6	59.5	12.1	2.7	19.1	19.5	18.8
Hong Kong SAR	501	44.5	20.3	34.2	1.0	0.0	44.5	48.2	41.2
Hungary	600	37.7	27.5	33.7	1.0	0.1	37.7	35.3	39.9
Indonesia	591	42.1	19.8	36.8	1.0	0.2	42.1	40.7	43.8
Iran, Islamic Rep. of	574	46.4	27.5	24.7	1.4	0.0	46.4	46.8	46.0
Israel	457	38.5	31.5	25.4	3.7	1.0	38.5	39.6	37.4
Italy	629	36.8	32.8	28.0	2.4	0.0	36.8	39.3	34.8
Japan	602	48.3	14.4	36.4	0.8	0.0	48.3	52.6	44.3
Jordan	763	50.1	23.6	24.8	1.4	0.1	50.1	55.4	45.3
Korea, Rep. of	603	38.7	24.6	35.8	0.9	0.0	38.7	41.2	36.5
Kuwait	569	39.0	16.0	41.0	2.6	1.3	39.0	45.7	31.2
Lebanon	538	23.2	38.7	34.8	2.3	1.0	23.2	21.2	25.7
Lithuania	571	46.8	19.1	33.3	0.8	0.0	46.8	44.0	49.6
Malaysia	635	45.0	9.4	43.1	2.1	0.3	45.0	49.1	40.6
Malta	670	33.7	28.5	37.0	0.7	0.1	33.7	35.9	31.3
Morocco	454	40.7	37.7	18.1	2.2	1.4	40.7	41.5	39.9
Norway	655	29.0	31.8	38.4	0.7	0.1	29.0	30.4	27.6
Oman	680	39.1	14.8	43.5	2.1	0.5	39.1	44.3	33.7
Palestinian Nat'l Auth.	629	32.8	19.4	44.8	2.9	0.1	32.8	42.6	23.0
Qatar	1018	15.4	11.1	71.6	1.7	0.2	15.4	20.2	10.7
Romania	603	28.9	13.6	45.4	11.9	0.2	28.9	33.0	24.5
Russian Federation	638	42.4	10.2	44.8	2.4	0.2	42.4	43.0	41.7
Saudi Arabia	615	32.8	13.2	50.7	2.9	0.5	32.8	41.1	25.2
Scotland	568	26.0	44.4	28.5	0.9	0.1	26.0	28.0	24.1
Serbia	577	20.9	29.2	46.8	2.6	0.4	20.9	19.4	22.4
Singapore	653	60.4	15.8	23.4	0.4	0.0	60.4	61.5	59.3
Slovenia	585	37.9	35.2	26.5	0.5	0.0	37.9	42.1	33.9
Sweden	729	52.1	26.0	20.5	1.3	0.2	52.1	55.0	49.5
Syrian Arab Republic	670	41.9	15.8	32.2	9.5	0.6	41.9	40.5	43.5
Thailand	766	43.8	13.6	39.7	2.6	0.4	43.8	47.7	39.5
Tunisia	581	42.9	23.8	31.9	0.6	0.8	42.9	41.2	44.8
Turkey	647	30.4	25.9	42.2	1.3	0.3	30.4	31.5	29.4
Ukraine	631	43.7	23.9	30.5	1.3	0.6	43.7	43.5	43.9
United States	1036	28.8	32.1	38.0	0.4	0.7	28.8	29.2	28.4
International Avg.	638	38.1	23.1	35.7	2.6	0.5	38.1	40.3	35.9
Basque Country, Spain	331	29.1	44.7	24.8	1.4	0.0	29.1	29.8	28.3
British Columbia, Canada	598	52.6	30.0	15.5	1.6	0.3	52.6	55.9	49.3
Dubai, UAE	459	38.5	29.4	31.1	0.7	0.3	38.5	38.3	38.8
Massachusetts, US	278	37.8	32.5	28.8	0.9	0.0	37.8	38.1	37.5
Minnesota, US	248	30.1	30.8	39.1	0.0	0.0	30.1	27.7	32.6
Ontario, Canada	496	47.9	37.1	13.1	1.0	0.8	47.9	42.9	52.7
Quebec, Canada	576	42.7	35.0	21.0	0.9	0.3	42.7	45.3	39.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042278 - S10_14)
 Label: Path of light ray through periscope
 Type: CR Key: -

COUNTRY	N	10	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	736	15.9	13.0	37.2	12.4	20.8	0.8	15.9	15.7	16.1
Armenia	672	52.8	7.4	15.8	7.7	14.1	2.2	52.8	51.7	54.0
Australia	580	35.5	10.5	21.5	27.8	3.8	1.0	35.5	32.4	38.7
Bahrain	599	23.7	9.4	30.5	23.0	13.2	0.1	23.7	27.9	19.6
Bosnia and Herzegovina	607	25.2	12.4	23.7	23.7	14.6	0.4	25.2	26.0	24.5
Botswana	601	8.2	1.2	4.9	57.7	27.7	0.2	8.2	6.2	10.5
Bulgaria	443	32.4	10.9	18.6	13.7	23.7	0.7	32.4	30.9	33.7
Chinese Taipei	574	36.4	6.7	23.7	24.3	8.7	0.2	36.4	36.0	36.7
Colombia	694	22.3	6.7	19.4	34.8	14.6	2.2	22.3	17.3	28.3
Cyprus	625	24.3	14.0	35.4	13.5	12.4	0.4	24.3	28.3	19.7
Czech Republic	694	49.2	3.4	24.0	18.5	4.9	0.0	49.2	41.5	55.5
Egypt	934	9.7	4.0	8.6	51.8	25.6	0.3	9.7	4.7	14.6
El Salvador	576	18.5	6.5	15.8	27.5	30.2	1.5	18.5	16.0	21.2
England	569	44.0	9.6	28.2	14.1	4.1	0.0	44.0	41.4	47.0
Georgia	576	13.1	6.8	15.2	21.5	42.0	1.4	13.1	11.6	14.9
Ghana	758	4.9	1.2	3.9	21.6	65.7	2.7	4.9	4.6	5.2
Hong Kong SAR	501	45.9	9.1	23.5	15.2	6.4	0.0	45.9	47.7	44.2
Hungary	600	48.3	4.3	23.7	19.1	4.6	0.1	48.3	43.9	52.2
Indonesia	593	14.4	4.3	23.6	39.1	18.3	0.2	14.4	12.8	16.2
Iran, Islamic Rep. of	575	27.5	6.6	19.0	33.6	13.2	0.0	27.5	26.0	28.8
Israel	457	22.8	10.7	21.4	18.3	25.8	1.0	22.8	23.3	22.4
Italy	629	45.1	15.1	19.1	9.7	11.1	0.0	45.1	45.6	44.7
Japan	602	34.7	4.4	35.8	22.4	2.7	0.0	34.7	33.0	36.3
Jordan	763	23.0	8.8	23.9	31.3	12.9	0.1	23.0	22.7	23.3
Korea, Rep. of	603	36.2	7.2	36.9	17.8	1.9	0.0	36.2	37.6	34.9
Kuwait	569	18.9	12.5	24.6	15.4	27.3	1.3	18.9	25.4	11.4
Lebanon	538	18.2	10.3	17.0	29.3	24.3	1.0	18.2	13.5	24.0
Lithuania	571	43.1	6.8	23.4	18.8	7.9	0.0	43.1	44.8	41.4
Malaysia	635	33.2	2.9	28.5	26.3	8.7	0.3	33.2	29.7	37.0
Malta	672	30.7	8.5	30.9	19.8	10.0	0.1	30.7	27.3	34.2
Morocco	454	13.7	8.3	15.2	27.7	33.6	1.4	13.7	11.3	17.1
Norway	655	28.1	18.3	23.8	22.9	6.7	0.1	28.1	29.1	27.2
Oman	680	15.5	6.6	15.0	38.9	23.5	0.5	15.5	20.4	10.4
Palestinian Nat'l Auth.	629	14.1	5.5	22.7	39.0	18.6	0.1	14.1	17.6	10.5
Qatar	1018	9.0	7.7	10.2	31.2	41.7	0.2	9.0	12.4	5.6
Romania	603	28.3	7.3	26.3	21.2	16.7	0.2	28.3	25.0	31.7
Russian Federation	638	31.8	8.8	23.1	26.3	9.7	0.2	31.8	29.5	34.2
Saudi Arabia	615	14.5	12.1	19.8	32.3	20.8	0.5	14.5	19.1	10.4
Scotland	568	31.2	13.1	22.8	27.6	5.1	0.1	31.2	31.5	31.0
Serbia	577	28.3	10.3	26.4	20.7	13.8	0.4	28.3	21.4	35.6
Singapore	653	48.8	5.8	31.8	12.0	1.5	0.0	48.8	47.7	49.9
Slovenia	585	46.6	7.0	27.5	14.4	4.4	0.0	46.6	48.1	45.3
Sweden	729	38.3	9.6	31.7	15.7	4.5	0.2	38.3	39.3	37.4
Syrian Arab Republic	670	22.3	8.6	17.5	21.9	29.2	0.6	22.3	16.5	28.1
Thailand	766	47.2	3.4	14.0	16.0	19.0	0.4	47.2	46.7	47.8
Tunisia	581	20.9	5.1	27.4	26.3	19.5	0.8	20.9	16.3	26.1
Turkey	647	17.0	2.8	17.7	42.8	19.5	0.3	17.0	15.5	18.2
Ukraine	631	24.9	21.2	8.1	29.9	15.3	0.6	24.9	20.8	29.8
United States	1036	34.7	10.9	24.7	25.2	3.8	0.7	34.7	33.1	36.3
International Avg.	638	28.0	8.3	22.1	24.5	16.5	0.5	28.0	27.1	29.1
Basque Country, Spain	331	38.2	12.3	21.9	17.4	10.2	0.0	38.2	34.8	41.3
British Columbia, Canada	598	39.9	9.9	28.9	17.2	3.6	0.3	39.9	35.5	44.3
Dubai, UAE	459	32.0	11.1	24.8	18.6	13.2	0.3	32.0	33.1	30.7
Massachusetts, US	278	41.6	13.3	25.9	17.9	1.2	0.0	41.6	37.1	45.8
Minnesota, US	248	46.4	11.0	23.1	16.5	3.1	0.0	46.4	48.9	43.9
Ontario, Canada	496	36.2	16.5	32.8	11.8	1.9	0.8	36.2	37.8	34.6
Quebec, Canada	576	35.5	12.3	31.4	18.3	1.9	0.6	35.5	37.4	33.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S042274 - S10_15)
 Label: Speed of light through substances
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	34.4	29.1	25.3	8.3	34.4	1.8	1.0	31.8	36.9
Armenia	676	40.7	34.7	17.4	2.5	40.7	2.3	2.4	40.7	40.7
Australia	580	8.7	65.7	18.2	6.3	8.7	0.1	1.0	5.3	12.2
Bahrain	599	49.4	32.2	14.5	3.1	49.4	0.7	0.1	54.9	43.9
Bosnia and Herzegovina	607	42.9	43.9	9.8	2.2	42.9	0.8	0.4	41.4	44.3
Botswana	601	20.6	33.2	37.3	7.7	20.6	0.6	0.6	22.9	17.9
Bulgaria	443	19.1	59.1	13.1	6.6	19.1	1.4	0.7	16.0	21.9
Chinese Taipei	574	59.2	24.8	10.1	5.8	59.2	0.0	0.2	53.7	64.7
Colombia	694	21.9	30.3	34.3	9.5	21.9	0.8	3.2	21.0	23.0
Cyprus	625	39.2	26.7	27.0	5.9	39.2	0.8	0.4	37.7	40.8
Czech Republic	694	35.3	50.8	9.2	3.9	35.3	0.8	0.0	25.0	43.7
Egypt	932	42.1	39.9	12.3	5.2	42.1	0.3	0.3	42.0	42.2
El Salvador	576	25.9	31.5	25.3	13.8	25.9	1.6	1.8	25.5	26.3
England	569	22.7	62.5	9.7	4.0	22.7	1.1	0.0	19.6	26.5
Georgia	576	16.6	52.7	22.4	3.4	16.6	2.5	2.3	14.2	19.6
Ghana	758	19.5	33.1	24.9	17.2	19.5	2.3	2.9	20.8	18.4
Hong Kong SAR	501	31.3	44.5	19.9	4.2	31.3	0.0	0.0	22.1	39.8
Hungary	600	48.7	32.0	12.7	5.9	48.7	0.6	0.1	41.1	55.7
Indonesia	592	33.4	48.9	7.8	9.2	33.4	0.3	0.3	36.7	29.7
Iran, Islamic Rep. of	575	25.1	50.2	19.9	4.4	25.1	0.4	0.0	22.2	27.4
Israel	457	37.5	20.5	35.1	3.4	37.5	2.2	1.2	37.4	37.9
Italy	627	41.7	28.1	23.0	5.9	41.7	1.2	0.1	39.1	43.8
Japan	602	41.6	38.2	10.5	9.4	41.6	0.2	0.1	36.2	46.6
Jordan	763	53.2	24.8	17.5	4.0	53.2	0.4	0.1	50.4	55.7
Korea, Rep. of	603	64.6	21.5	10.8	3.1	64.6	0.0	0.0	59.8	69.0
Kuwait	569	24.5	49.8	18.8	3.8	24.5	1.5	1.5	23.6	25.7
Lebanon	529	33.9	41.7	16.1	6.2	33.9	0.7	1.3	34.1	33.8
Lithuania	571	14.7	62.5	15.7	6.5	14.7	0.4	0.1	10.2	19.2
Malaysia	635	18.0	47.1	28.7	5.2	18.0	0.6	0.3	18.0	18.0
Malta	671	21.2	57.0	15.7	5.1	21.2	0.9	0.1	21.3	21.1
Morocco	448	39.3	28.9	20.5	8.9	39.3	0.4	2.0	37.5	41.9
Norway	655	15.0	59.5	16.1	8.3	15.0	0.9	0.1	8.8	20.9
Oman	680	39.6	28.8	26.1	3.9	39.6	1.0	0.6	44.5	34.5
Palestinian Nat'l Auth.	629	44.2	28.9	21.3	4.8	44.2	0.7	0.1	44.9	43.6
Qatar	1018	25.8	34.3	29.7	9.4	25.8	0.6	0.2	27.6	24.1
Romania	603	25.9	54.4	14.6	3.5	25.9	1.4	0.2	23.4	28.5
Russian Federation	638	34.6	47.8	9.6	5.5	34.6	1.6	0.8	28.3	41.0
Saudi Arabia	614	42.9	23.8	27.0	5.3	42.9	0.3	0.6	48.6	37.7
Scotland	568	15.4	63.1	16.2	5.1	15.4	0.1	0.1	11.9	19.1
Serbia	571	39.9	43.5	9.7	6.4	39.9	0.1	0.4	38.2	41.6
Singapore	653	40.0	42.3	14.7	2.8	40.0	0.0	0.1	39.4	40.6
Slovenia	585	14.8	67.9	13.9	2.0	14.8	1.2	0.1	11.2	18.2
Sweden	729	34.3	46.7	10.9	7.0	34.3	0.9	0.2	28.2	39.8
Syrian Arab Republic	670	32.0	34.5	28.3	3.7	32.0	0.9	0.6	31.6	32.3
Thailand	766	25.5	60.6	9.2	3.8	25.5	0.6	0.4	23.1	28.0
Tunisia	581	45.7	24.3	22.5	3.8	45.7	2.8	0.9	45.1	46.5
Turkey	647	46.9	30.3	17.8	4.1	46.9	0.5	0.4	43.9	49.6
Ukraine	631	26.1	48.5	17.0	6.1	26.1	1.5	0.8	23.6	29.2
United States	1036	13.8	56.1	22.1	7.0	13.8	0.3	0.7	8.0	19.6
International Avg.	639	32.4	41.7	18.6	5.8	32.4	0.9	0.7	30.5	34.3
Basque Country, Spain	331	33.3	31.5	24.4	10.1	33.3	0.7	0.0	30.0	36.4
British Columbia, Canada	598	15.4	66.3	12.3	4.7	15.4	0.9	0.4	13.4	17.3
Dubai, UAE	459	33.6	50.2	13.3	1.4	33.6	1.2	0.3	26.9	41.6
Massachusetts, US	278	19.1	56.8	18.6	5.5	19.1	0.0	0.0	11.9	25.9
Minnesota, US	248	8.0	64.6	20.4	7.0	8.0	0.0	0.0	2.4	13.7
Ontario, Canada	496	9.1	67.8	16.8	4.5	9.1	0.6	1.2	5.8	12.2
Quebec, Canada	576	33.3	34.4	18.2	11.2	33.3	2.3	0.6	31.9	34.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042317 - S10_17)
 Label: Evaporated water ending up as rain
 Type: CR Key: -

COUNTRY	N	20	10	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	729	5.7	46.2	23.4	22.2	2.6	51.9	5.7	5.8	5.6
Armenia	676	22.9	19.0	13.3	36.6	8.3	41.8	22.9	20.6	25.1
Australia	580	57.6	19.6	16.1	5.8	1.0	77.1	57.6	57.7	57.4
Bahrain	599	44.5	25.1	15.0	15.0	0.3	69.6	44.5	55.9	33.1
Bosnia and Herzegovina	607	28.5	23.2	17.3	29.3	1.6	51.7	28.5	32.5	24.8
Botswana	600	17.4	10.7	56.7	13.6	1.7	28.1	17.4	20.8	13.6
Bulgaria	443	13.5	28.6	24.2	31.7	2.0	42.1	13.5	12.3	14.7
Chinese Taipei	574	51.2	14.2	21.6	12.6	0.4	65.4	51.2	55.4	47.0
Colombia	694	15.3	20.9	40.8	17.8	5.2	36.2	15.3	13.5	17.3
Cyprus	625	46.3	17.5	11.2	23.8	1.2	63.7	46.3	51.0	41.0
Czech Republic	694	49.3	19.6	18.0	13.0	0.2	68.9	49.3	47.2	51.0
Egypt	934	37.5	21.4	24.9	15.0	1.3	58.9	37.5	36.5	38.5
El Salvador	576	10.3	17.8	38.7	29.1	4.1	28.1	10.3	9.3	11.4
England	569	38.8	22.2	32.3	6.8	0.0	61.0	38.8	38.7	38.9
Georgia	.	.	.	.	.	.	.	.	.	.
Ghana	758	11.2	6.1	28.1	48.9	5.7	17.3	11.2	10.3	11.9
Hong Kong SAR	501	54.7	17.9	14.5	12.5	0.5	72.5	54.7	62.7	47.3
Hungary	600	54.8	20.8	9.8	14.4	0.4	75.5	54.8	58.0	51.8
Indonesia	594	29.6	24.4	34.8	10.2	1.1	54.0	29.6	30.8	28.1
Iran, Islamic Rep. of	575	59.9	18.3	9.0	12.0	0.8	78.2	59.9	62.1	58.1
Israel	457	30.9	22.7	18.1	26.6	1.8	53.6	30.9	30.5	31.5
Italy	628	29.5	34.7	15.1	20.4	0.4	64.2	29.5	32.0	27.5
Japan	.	.	.	.	.	.	.	.	.	.
Jordan	763	53.6	15.7	18.7	10.8	1.3	69.3	53.6	59.5	48.2
Korea, Rep. of	603	60.4	14.3	18.1	6.9	0.3	74.8	60.4	61.5	59.5
Kuwait	569	20.4	30.3	16.9	29.7	2.7	50.7	20.4	25.9	14.0
Lebanon	538	19.6	23.2	23.6	30.1	3.6	42.8	19.6	19.4	19.9
Lithuania	571	60.2	14.0	11.7	13.7	0.4	74.2	60.2	58.2	62.2
Malaysia	635	30.2	21.7	34.0	12.4	1.7	51.9	30.2	33.8	26.2
Malta	670	44.4	17.3	21.0	16.8	0.4	61.7	44.4	46.4	42.4
Morocco	454	17.1	24.6	22.9	32.3	3.2	41.7	17.1	18.4	14.8
Norway	655	54.4	22.1	16.4	6.7	0.4	76.5	54.4	58.4	50.4
Oman	680	53.6	14.1	21.1	9.7	1.4	67.7	53.6	63.2	43.6
Palestinian Nat'l Auth.	629	17.9	13.5	49.6	18.6	0.4	31.4	17.9	24.3	11.5
Qatar	1018	13.9	19.9	32.1	33.2	0.8	33.8	13.9	18.2	9.7
Romania	603	20.3	29.9	23.9	24.2	1.7	50.2	20.3	22.3	18.2
Russian Federation	638	60.5	8.3	16.1	14.1	1.0	68.8	60.5	63.4	57.7
Saudi Arabia	615	29.0	33.1	23.7	13.4	0.8	62.1	29.0	37.3	21.4
Scotland	568	37.3	25.9	25.9	10.3	0.6	63.2	37.3	40.9	33.6
Serbia	577	33.4	21.6	14.7	28.9	1.3	55.1	33.4	34.8	32.0
Singapore	653	61.8	11.7	21.4	5.0	0.1	73.4	61.8	70.1	53.8
Slovenia	584	33.2	35.7	25.3	5.5	0.3	68.9	33.2	39.7	27.3
Sweden	729	54.1	21.7	13.8	9.8	0.6	75.8	54.1	64.2	45.1
Syrian Arab Republic	670	36.5	14.2	24.3	21.9	3.1	50.7	36.5	34.3	38.7
Thailand	766	34.5	21.3	27.8	15.7	0.7	55.8	34.5	41.1	27.4
Tunisia	.	.	.	.	.	.	.	.	.	.
Turkey	647	38.0	19.2	20.8	21.1	1.0	57.2	38.0	38.5	37.5
Ukraine	631	37.5	24.1	16.2	20.8	1.4	61.6	37.5	39.5	35.1
United States	1036	58.7	16.5	19.4	4.6	0.8	75.2	58.7	58.0	59.4
International Avg.	642	36.7	21.0	22.7	18.1	1.5	57.7	36.7	39.5	34.0
Basque Country, Spain	331	50.1	18.5	16.3	14.3	0.9	68.6	50.1	53.0	47.4
British Columbia, Canada	598	57.6	20.5	13.2	8.0	0.7	78.1	57.6	60.6	54.7
Dubai, UAE	459	41.7	26.9	18.4	11.8	1.3	68.6	41.7	43.1	40.0
Massachusetts, US	278	64.4	15.3	17.2	3.1	0.0	79.7	64.4	63.7	65.2
Minnesota, US	248	55.0	23.0	18.1	4.0	0.0	77.9	55.0	60.3	49.5
Ontario, Canada	496	68.6	14.6	8.9	6.4	1.5	83.2	68.6	71.1	66.2
Quebec, Canada	576	48.9	20.5	21.5	7.9	1.3	69.4	48.9	50.1	47.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032465 - S11_01)
 Label: Cells that destroy bacteria
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	777	45.3	45.3	27.8	11.3	10.4	4.9	0.2	44.5	46.0
Armenia	665	65.6	65.6	16.4	8.1	3.9	5.9	0.1	69.6	61.1
Australia	583	71.7	71.7	20.4	5.8	1.4	0.5	0.2	73.0	70.6
Bahrain	596	62.8	62.8	27.8	4.9	3.5	0.9	0.1	63.7	61.9
Bosnia and Herzegovina	600	61.9	61.9	23.6	7.5	3.2	3.6	0.2	61.3	62.5
Botswana	603	44.0	44.0	39.3	8.8	6.9	0.8	0.1	47.8	39.8
Bulgaria	433	68.5	68.5	17.9	7.5	4.5	1.4	0.2	68.9	68.1
Chinese Taipei	574	79.8	79.8	15.9	1.8	2.1	0.2	0.2	77.0	82.5
Colombia	695	52.4	52.4	31.2	7.3	6.6	1.9	0.7	49.2	56.1
Cyprus	621	47.7	47.7	29.5	14.6	7.6	0.7	0.0	46.7	48.7
Czech Republic	689	82.6	82.6	11.1	2.2	3.7	0.4	0.0	84.4	80.9
Egypt	944	55.2	55.2	34.3	5.8	4.3	0.4	0.0	56.8	53.5
El Salvador	589	44.7	44.7	35.5	10.3	7.3	1.6	0.5	39.4	50.7
England	585	76.8	76.8	20.8	1.1	1.0	0.3	0.0	71.9	82.3
Georgia	586	17.5	17.5	39.1	13.3	25.8	3.9	0.4	16.4	18.7
Ghana	762	39.7	39.7	33.2	13.2	10.4	3.2	0.2	37.8	41.3
Hong Kong SAR	494	66.1	66.1	28.0	1.9	3.6	0.4	0.0	62.0	69.9
Hungary	593	72.5	72.5	22.7	3.7	0.6	0.5	0.0	70.1	74.6
Indonesia	596	67.6	67.6	20.1	7.2	4.1	1.0	0.0	65.6	70.0
Iran, Islamic Rep. of	580	60.4	60.4	25.9	7.2	5.1	1.4	0.0	60.7	60.1
Israel	461	61.7	61.7	27.9	5.3	2.9	1.6	0.6	56.7	67.1
Italy	625	82.2	82.2	12.4	2.5	2.3	0.6	0.0	78.7	85.5
Japan	613	80.7	80.7	12.5	4.3	2.2	0.3	0.0	77.6	83.8
Jordan	769	66.2	66.2	27.0	2.9	3.1	0.8	0.0	69.5	63.1
Korea, Rep. of	603	80.6	80.6	14.3	2.7	2.4	0.0	0.0	77.0	84.0
Kuwait	570	50.3	50.3	30.2	9.2	6.8	3.3	0.2	52.4	48.0
Lebanon	530	63.3	63.3	22.5	8.2	5.5	0.5	0.0	56.1	72.2
Lithuania	573	69.0	69.0	23.4	4.3	2.6	0.6	0.0	73.8	64.6
Malaysia	638	63.1	63.1	22.6	8.5	5.5	0.3	0.0	63.4	62.7
Malta	666	57.9	57.9	32.9	5.0	3.5	0.8	0.0	60.6	54.9
Morocco	460	42.3	42.3	34.5	12.9	9.1	1.1	0.0	36.0	49.9
Norway	661	66.9	66.9	22.5	8.2	1.8	0.7	0.0	66.0	67.8
Oman	687	43.9	43.9	43.4	7.2	4.5	0.9	0.2	44.7	43.0
Palestinian Nat'l Auth.	633	51.0	51.0	37.1	6.3	4.6	1.1	0.0	54.0	47.9
Qatar	1011	38.2	38.2	35.5	15.0	10.0	1.3	0.0	38.3	38.1
Romania	602	67.2	67.2	24.0	3.2	5.0	0.7	0.0	61.6	73.3
Russian Federation	626	58.6	58.6	29.1	6.8	4.0	1.6	0.1	58.3	58.8
Saudi Arabia	619	58.0	58.0	24.9	10.6	5.7	0.8	0.0	60.0	56.2
Scotland	569	59.4	59.4	33.0	4.8	2.1	0.7	0.0	56.1	62.4
Serbia	577	72.7	72.7	17.9	5.7	2.9	0.5	0.3	71.9	73.6
Singapore	654	78.4	78.4	18.4	2.2	1.0	0.0	0.0	76.7	80.0
Slovenia	576	30.1	30.1	38.8	18.7	11.0	1.4	0.0	31.1	29.1
Sweden	713	76.9	76.9	17.9	3.1	1.1	0.9	0.2	71.7	81.3
Syrian Arab Republic	662	63.5	63.5	24.9	6.8	3.6	1.1	0.0	54.2	73.0
Thailand	768	71.4	71.4	19.9	3.7	4.5	0.6	0.0	70.8	72.0
Tunisia	585	73.7	73.7	14.4	7.1	2.6	2.1	0.2	67.8	80.8
Turkey	649	35.6	35.6	39.3	9.5	12.9	2.7	0.0	36.9	34.3
Ukraine	629	46.0	46.0	33.7	11.7	6.1	2.5	0.0	45.0	47.2
United States	1054	81.3	81.3	16.6	1.1	0.7	0.1	0.2	78.8	83.7
International Avg.	640	60.7	60.7	26.0	7.0	5.0	1.3	0.1	59.4	62.0
Basque Country, Spain	332	46.0	46.0	40.6	7.0	2.8	3.5	0.0	39.1	52.6
British Columbia, Canada	599	86.8	86.8	10.3	1.3	0.5	0.9	0.1	84.8	88.8
Dubai, UAE	464	70.3	70.3	19.2	6.9	2.8	0.8	0.0	70.7	69.9
Massachusetts, US	281	82.7	82.7	13.8	0.9	1.9	0.7	0.0	82.4	83.1
Minnesota, US	245	83.7	83.7	14.8	1.5	0.0	0.1	0.0	85.1	82.4
Ontario, Canada	485	80.5	80.5	15.3	1.6	1.4	1.1	0.0	79.1	81.9
Quebec, Canada	549	59.7	59.7	33.0	3.3	1.9	1.9	0.1	58.1	61.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S032315 - S11_02)
 Label: Antelope population graph
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	47.5	9.7	27.6	9.3	47.5	5.6	0.2	47.7	47.4
Armenia	666	47.6	9.6	11.8	11.8	47.6	19.1	0.1	48.9	46.1
Australia	583	60.2	24.0	9.0	6.0	60.2	0.7	0.2	57.4	62.6
Bahrain	596	49.6	15.1	22.6	11.3	49.6	1.3	0.1	53.7	45.6
Bosnia and Herzegovina	600	35.0	34.5	12.6	10.4	35.0	7.2	0.2	32.0	38.0
Botswana	603	43.2	17.8	17.5	17.3	43.2	4.2	0.1	43.3	43.1
Bulgaria	433	43.9	28.3	13.7	10.1	43.9	3.8	0.2	45.0	42.9
Chinese Taipei	574	55.2	20.7	9.5	14.1	55.2	0.2	0.2	57.8	52.8
Colombia	695	33.4	24.4	13.0	25.7	33.4	2.7	0.7	28.6	39.2
Cyprus	621	41.1	21.4	13.4	22.6	41.1	1.5	0.0	38.7	43.6
Czech Republic	689	54.9	24.1	10.8	7.5	54.9	2.8	0.0	52.8	56.9
Egypt	944	43.2	6.1	30.7	19.2	43.2	0.8	0.0	44.4	42.0
El Salvador	589	42.6	20.1	10.2	24.2	42.6	2.4	0.5	38.5	47.4
England	585	65.2	21.7	8.9	3.7	65.2	0.5	0.0	61.7	69.1
Georgia	586	35.6	30.8	13.4	11.3	35.6	8.5	0.4	34.1	37.2
Ghana	762	38.7	21.1	17.9	17.2	38.7	4.9	0.2	41.2	36.6
Hong Kong SAR	494	45.2	33.9	13.1	7.1	45.2	0.7	0.0	47.0	43.6
Hungary	592	60.5	14.9	10.1	12.4	60.5	2.0	0.0	56.8	63.8
Indonesia	596	50.8	11.1	14.7	20.9	50.8	2.3	0.1	45.5	57.5
Iran, Islamic Rep. of	580	50.2	18.6	18.4	11.6	50.2	1.3	0.0	49.9	50.4
Israel	461	46.5	13.7	17.7	17.5	46.5	4.0	0.6	48.2	44.7
Italy	623	46.4	27.2	9.8	13.1	46.4	3.5	0.0	45.6	47.2
Japan	613	35.6	30.3	17.9	15.4	35.6	0.8	0.0	34.7	36.6
Jordan	769	39.6	14.8	20.6	23.4	39.6	1.7	0.0	37.2	41.8
Korea, Rep. of	603	40.4	29.1	7.8	22.7	40.4	0.2	0.0	39.5	41.2
Kuwait	570	23.6	26.9	10.9	34.2	23.6	4.3	0.2	26.7	19.9
Lebanon	527	23.1	16.3	15.0	37.6	23.1	8.0	0.0	23.1	23.1
Lithuania	569	62.4	15.4	9.5	10.1	62.4	2.6	0.0	65.9	59.0
Malaysia	638	76.9	5.3	10.0	6.9	76.9	0.9	0.0	77.0	76.7
Malta	664	48.3	17.4	15.6	16.5	48.3	2.3	0.0	45.8	50.9
Morocco	456	38.9	19.5	17.7	20.2	38.9	3.5	0.1	38.7	39.2
Norway	661	44.5	31.6	8.8	13.1	44.5	1.9	0.0	46.3	42.9
Oman	687	35.1	23.3	25.6	13.2	35.1	2.7	0.2	39.5	30.3
Palestinian Nat'l Auth.	633	27.4	18.7	15.8	36.2	27.4	1.9	0.0	28.3	26.6
Qatar	1011	24.8	24.0	22.6	26.9	24.8	1.7	0.0	25.5	24.2
Romania	602	39.4	26.1	18.7	13.1	39.4	2.7	0.0	47.3	30.8
Russian Federation	626	69.5	7.5	8.9	10.5	69.5	3.4	0.1	72.7	65.9
Saudi Arabia	618	38.0	12.6	29.4	17.9	38.0	2.1	0.0	38.6	37.5
Scotland	569	50.5	30.4	10.7	7.1	50.5	1.2	0.0	54.2	47.2
Serbia	555	35.9	33.7	11.2	14.7	35.9	4.2	0.3	31.8	40.2
Singapore	654	66.3	13.9	10.6	8.5	66.3	0.5	0.0	63.6	69.0
Slovenia	576	59.5	19.1	10.0	10.2	59.5	1.4	0.0	62.6	56.3
Sweden	713	42.7	29.6	12.4	13.6	42.7	1.7	0.2	42.3	43.0
Syrian Arab Republic	662	30.8	16.5	39.6	11.0	30.8	2.1	0.0	28.4	33.2
Thailand	768	50.4	22.4	10.8	15.8	50.4	0.6	0.0	50.3	50.6
Tunisia	585	58.9	7.3	23.1	7.4	58.9	3.1	0.2	55.7	62.9
Turkey	649	31.0	42.7	9.1	15.6	31.0	1.6	0.0	29.1	32.8
Ukraine	629	59.2	17.6	10.4	9.7	59.2	3.1	0.0	57.0	61.7
United States	1054	60.4	17.4	15.2	6.5	60.4	0.3	0.2	58.8	62.0
International Avg.	639	45.9	20.8	15.2	15.1	45.9	2.9	0.1	45.7	46.2
Basque Country, Spain	332	44.3	25.8	10.9	16.5	44.3	2.5	0.0	37.2	51.1
British Columbia, Canada	599	58.6	24.8	9.7	5.2	58.6	1.6	0.1	59.4	57.8
Dubai, UAE	463	35.1	30.4	16.6	16.0	35.1	1.9	0.1	32.2	38.1
Massachusetts, US	281	67.3	14.3	11.1	5.5	67.3	1.8	0.0	60.4	74.3
Minnesota, US	245	62.1	17.9	14.1	5.1	62.1	0.8	0.0	60.9	63.1
Ontario, Canada	485	47.1	32.7	9.5	8.6	47.1	2.0	0.0	48.4	45.8
Quebec, Canada	549	42.2	37.4	8.5	8.8	42.2	3.0	0.1	42.0	42.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S032306 - S11_03)

Label: Eyes react to changes

Type: CR Key: -

COUNTRY	N	20	29	10	19	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	760	1.4	0.7	4.1	2.8	2.7	57.9	30.0	0.5	9.0	2.0	2.6	1.5
Armenia	663	13.8	0.6	26.9	0.4	4.8	17.7	35.6	0.1	41.7	14.5	14.4	14.6
Australia	583	47.8	0.3	9.7	0.0	6.2	26.9	8.9	0.2	57.7	48.0	49.9	46.4
Bahrain	596	25.7	1.8	10.7	4.0	3.6	38.4	15.8	0.1	42.2	27.5	35.6	19.5
Bosnia and Herzegovina	600	13.8	0.3	9.3	1.3	2.3	42.7	29.8	0.4	24.7	14.1	15.6	12.7
Botswana	604	7.6	1.3	2.3	0.5	2.1	69.1	16.9	0.1	11.7	8.9	9.9	7.8
Bulgaria	433	43.9	0.0	9.7	0.3	3.7	19.6	22.7	0.2	53.8	43.9	49.6	38.5
Chinese Taipei	574	36.1	0.4	22.7	1.1	9.0	18.9	11.7	0.2	60.2	36.4	36.6	36.3
Colombia	695	10.4	0.2	5.0	0.4	2.1	66.7	14.0	1.1	16.0	10.6	6.9	15.0
Cyprus	621	28.6	0.9	5.3	0.9	5.5	26.0	32.8	0.0	35.7	29.4	31.6	27.1
Czech Republic	689	57.5	0.6	5.0	0.9	10.8	16.7	8.6	0.0	63.9	58.1	61.0	55.2
Egypt	945	22.4	0.3	7.2	2.6	2.2	53.5	11.8	0.0	32.4	22.7	25.7	19.7
El Salvador	589	6.2	0.0	3.5	0.2	1.8	54.6	33.0	0.7	9.9	6.2	7.0	5.3
England	585	38.7	0.0	13.5	0.7	4.4	32.0	10.7	0.0	52.9	38.7	39.3	38.0
Georgia	586	13.7	1.2	1.9	2.5	4.8	30.0	45.4	0.4	19.3	14.9	19.2	10.2
Ghana	762	2.6	0.0	1.4	0.1	0.6	42.8	52.3	0.2	4.1	2.6	1.9	3.2
Hong Kong SAR	494	49.1	0.2	12.0	2.5	5.8	18.3	12.0	0.0	63.9	49.4	51.4	47.5
Hungary	593	52.5	0.3	19.2	0.1	5.3	14.8	7.8	0.0	72.1	52.8	52.8	52.8
Indonesia	595	9.4	0.5	5.6	0.4	3.9	65.9	14.1	0.1	16.0	10.0	11.2	8.5
Iran, Islamic Rep. of	580	20.0	0.7	7.4	2.5	3.2	47.8	18.4	0.1	30.5	20.7	23.6	18.2
Israel	461	29.7	0.6	12.8	0.9	3.7	29.0	22.4	0.9	44.0	30.4	32.3	28.3
Italy	625	41.9	1.0	12.7	0.4	5.9	19.6	18.4	0.0	56.1	43.0	43.4	42.6
Japan	613	45.2	0.0	19.1	1.0	13.4	15.8	5.5	0.0	65.3	45.2	47.8	42.6
Jordan	769	7.9	0.8	14.3	0.7	3.5	55.0	18.0	0.0	23.6	8.7	8.8	8.6
Korea, Rep. of	603	70.7	0.0	2.6	1.3	8.1	14.9	2.4	0.0	74.6	70.7	75.9	66.0
Kuwait	570	7.0	1.4	5.7	2.5	1.0	46.8	35.3	0.3	16.6	8.4	10.4	6.0
Lebanon	537	11.8	3.3	6.0	2.9	2.6	40.6	32.5	0.3	24.0	15.1	14.1	16.4
Lithuania	573	49.3	0.3	0.9	3.2	4.6	31.1	10.5	0.0	53.8	49.6	52.4	47.0
Malaysia	638	32.9	0.9	6.4	2.7	6.0	40.4	10.8	0.0	42.8	33.7	35.9	31.3
Malta	665	39.1	0.0	8.0	1.8	4.9	26.1	20.0	0.0	49.0	39.1	41.2	36.9
Morocco	461	3.5	0.6	3.0	3.5	0.6	52.0	36.7	0.1	10.5	4.0	3.2	5.0
Norway	661	47.5	0.8	12.7	0.2	4.3	26.4	7.9	0.0	61.3	48.4	51.8	45.1
Oman	687	10.7	0.0	5.5	0.8	1.4	74.3	7.0	0.2	17.0	10.7	14.9	6.3
Palestinian Nat'l Auth.	632	13.9	2.9	7.7	2.5	3.1	52.8	17.1	0.0	27.0	16.8	19.7	13.8
Qatar	1011	11.8	0.3	9.4	0.9	0.4	49.2	28.1	0.0	22.3	12.0	15.7	8.5
Romania	602	18.7	0.6	10.7	8.1	5.6	28.7	27.7	0.0	38.0	19.3	21.2	17.1
Russian Federation	626	57.6	1.0	4.3	0.6	6.9	20.6	9.0	0.1	63.4	58.6	65.4	51.0
Saudi Arabia	619	3.4	0.0	4.9	0.9	0.4	69.7	20.7	0.0	9.2	3.4	2.3	4.4
Scotland	569	41.8	0.0	10.4	0.2	5.7	26.6	15.4	0.0	52.4	41.8	40.5	43.0
Serbia	577	29.5	0.5	19.9	2.9	3.1	22.8	20.5	0.7	52.8	30.0	33.4	26.4
Singapore	654	19.9	0.8	6.0	0.7	6.1	55.1	11.3	0.0	27.5	20.7	20.4	21.1
Slovenia	576	54.0	0.0	11.9	0.1	7.3	19.1	7.5	0.0	66.1	54.0	56.8	51.2
Sweden	713	51.5	1.2	9.9	3.9	4.4	20.0	9.0	0.2	66.5	52.7	63.3	43.6
Syrian Arab Republic	662	13.0	1.0	10.4	1.4	0.9	47.3	26.1	0.0	25.8	14.0	14.9	13.0
Thailand	768	20.3	0.7	5.5	0.7	3.6	53.7	15.6	0.0	27.1	21.0	25.1	16.7
Tunisia	585	7.6	0.6	18.7	1.1	2.3	49.8	19.7	0.2	28.0	8.1	6.3	10.3
Turkey	649	18.9	2.5	3.7	3.2	3.9	47.6	20.3	0.0	28.2	21.4	21.0	21.7
Ukraine	629	19.1	8.9	7.0	8.5	4.6	27.8	24.1	0.0	43.5	28.0	30.8	24.7
United States	1054	41.4	2.4	13.5	0.9	5.7	30.1	5.9	0.2	58.2	43.8	46.6	40.9
International Avg.	640	27.0	0.9	9.1	1.7	4.3	37.8	19.1	0.2	38.6	27.8	29.8	25.9
Basque Country, Spain	332	48.4	0.2	12.4	0.2	5.8	20.2	12.8	0.0	61.2	48.6	46.9	50.3
British Columbia, Canada	599	57.4	0.1	12.9	0.2	4.8	16.8	7.7	0.1	70.6	57.5	59.8	55.1
Dubai, UAE	464	26.0	1.1	9.7	1.1	2.7	42.7	16.5	0.1	37.9	27.1	26.8	27.5
Massachusetts, US	281	51.0	1.1	15.2	0.4	7.0	23.0	2.4	0.0	67.7	52.0	55.9	48.1
Minnesota, US	245	45.9	4.0	12.3	0.3	5.5	28.9	3.2	0.0	62.5	49.9	51.9	48.0
Ontario, Canada	485	47.8	0.0	14.0	0.0	5.4	21.9	10.9	0.0	61.8	47.8	48.7	46.8
Quebec, Canada	549	47.4	0.0	12.3	0.3	6.5	25.4	7.6	0.4	60.1	47.4	49.2	45.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032640 - S11_04)
 Label: Exercise is important for health
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	750	4.2	10.0	9.9	4.8	27.4	25.0	17.7	1.0	28.9	31.7	26.1
Armenia	665	27.9	11.9	10.7	8.3	11.5	5.4	24.2	0.1	58.8	61.2	56.0
Australia	583	47.4	17.4	5.1	1.9	22.9	3.6	1.5	0.2	71.8	72.5	71.2
Bahrain	596	18.1	19.9	19.7	5.9	18.1	8.8	9.3	0.2	63.6	70.5	56.8
Bosnia and Herzegovina	600	13.7	17.2	10.2	6.7	21.7	14.4	15.8	0.4	47.8	49.1	46.5
Botswana	602	7.1	1.7	9.4	5.9	35.6	31.9	8.2	0.2	24.1	28.1	19.5
Bulgaria	433	12.3	11.9	18.6	3.5	18.6	11.7	23.2	0.3	46.3	44.5	47.9
Chinese Taipei	574	11.5	26.2	1.9	18.6	17.9	17.3	6.6	0.2	58.1	61.6	54.9
Colombia	695	19.2	15.5	6.9	7.9	32.1	12.7	4.0	1.8	49.5	46.3	53.1
Cyprus	621	22.5	23.4	3.9	3.4	21.7	9.7	15.4	0.0	53.2	57.9	48.1
Czech Republic	689	33.1	13.7	12.8	12.9	19.3	3.8	4.5	0.0	72.4	72.7	72.2
Egypt	944	7.0	10.8	2.7	0.8	57.5	12.1	9.0	0.0	21.4	22.6	20.2
El Salvador	589	26.7	10.0	7.0	4.4	35.8	7.4	7.6	1.1	48.1	43.0	53.9
England	585	42.2	19.5	3.5	2.6	22.3	7.6	2.3	0.0	67.8	68.8	66.7
Georgia	586	9.2	9.5	8.1	2.8	42.1	9.5	17.8	1.0	29.6	31.7	27.2
Ghana	762	4.2	2.2	1.1	2.9	42.7	23.6	22.9	0.3	10.4	8.7	11.9
Hong Kong SAR	494	14.8	32.6	4.5	12.5	19.3	8.5	7.8	0.0	64.4	67.7	61.3
Hungary	593	41.9	10.7	15.8	7.3	15.8	2.6	5.9	0.0	75.7	76.6	75.0
Indonesia	596	9.3	10.9	12.7	8.0	41.5	12.9	4.5	0.1	40.9	40.0	42.1
Iran, Islamic Rep. of	580	12.7	12.4	6.1	16.6	40.0	6.8	5.1	0.2	47.9	49.0	46.9
Israel	461	29.1	12.4	10.7	3.0	21.1	9.6	13.2	0.9	55.2	55.9	54.6
Italy	625	22.0	15.1	15.8	8.8	19.8	7.6	10.7	0.1	61.8	57.7	65.6
Japan	613	17.3	15.5	6.8	19.3	22.7	13.6	4.8	0.0	58.9	64.0	53.8
Jordan	769	18.3	27.1	9.9	3.4	21.7	14.4	5.1	0.0	58.7	58.1	59.3
Korea, Rep. of	603	21.4	11.6	8.3	13.1	30.3	13.0	2.4	0.0	54.3	54.8	53.9
Kuwait	570	12.8	24.7	7.5	14.9	16.1	12.4	11.3	0.3	59.9	66.7	52.0
Lebanon	537	4.9	9.0	6.5	3.9	17.0	23.9	34.4	0.4	24.3	23.3	25.6
Lithuania	573	9.3	23.1	15.3	7.9	32.9	8.3	3.2	0.0	55.7	62.2	49.6
Malaysia	638	12.1	10.9	6.3	7.2	43.1	15.9	4.3	0.1	36.5	36.1	37.0
Malta	665	17.4	10.4	6.4	2.4	46.8	7.3	9.2	0.0	36.7	37.6	35.7
Morocco	.	.	.	.	.	.	.	.	.	.	.	.
Norway	661	25.6	18.4	4.7	5.4	36.7	6.7	2.3	0.1	54.1	55.2	53.0
Oman	687	18.1	8.7	6.2	3.9	36.6	20.0	6.2	0.3	36.9	39.4	34.2
Palestinian Nat'l Auth.	632	10.4	18.2	13.1	6.6	24.8	17.9	9.0	0.0	48.3	55.1	41.5
Qatar	1011	7.4	11.0	5.5	0.9	27.6	20.1	27.5	0.0	24.8	29.7	20.0
Romania	602	13.8	11.8	7.9	7.7	29.4	14.2	15.4	0.0	41.1	44.3	37.5
Russian Federation	625	2.0	17.7	28.2	3.6	30.8	7.6	10.1	0.1	51.5	57.4	44.7
Saudi Arabia	619	16.5	17.6	24.0	4.2	15.8	13.6	8.2	0.0	62.4	76.3	49.6
Scotland	569	43.9	16.2	4.4	1.0	23.5	8.6	2.4	0.0	65.5	70.2	61.2
Serbia	577	8.8	11.2	9.9	17.4	24.1	13.4	14.5	0.7	47.3	54.8	39.2
Singapore	654	31.3	19.4	5.3	3.4	29.3	8.2	3.0	0.0	59.5	65.8	53.2
Slovenia	576	28.4	9.4	11.3	6.3	32.1	10.8	1.8	0.0	55.3	57.2	53.5
Sweden	713	28.0	19.7	11.3	1.4	31.3	3.2	4.8	0.3	60.4	62.0	59.0
Syrian Arab Republic	662	10.0	23.8	19.2	2.2	25.0	10.7	8.7	0.5	55.1	56.9	53.3
Thailand	768	8.0	9.9	8.2	19.1	42.5	6.9	5.5	0.0	45.1	52.5	37.3
Tunisia	585	19.6	18.1	4.8	5.4	25.1	20.1	6.6	0.3	47.9	47.4	48.4
Turkey	649	19.8	13.7	10.6	13.0	35.0	3.1	4.9	0.0	57.0	60.2	53.9
Ukraine	629	1.6	9.8	19.3	9.5	39.5	8.6	11.7	0.0	40.1	41.9	38.0
United States	1054	36.5	21.5	7.7	4.2	25.4	3.4	1.1	0.2	70.0	71.5	68.5
International Avg.	643	18.3	15.1	9.7	7.0	28.5	11.6	9.5	0.2	50.1	52.5	47.7
Basque Country, Spain	332	50.8	11.3	7.3	6.2	16.1	2.5	5.7	0.1	75.6	76.5	74.7
British Columbia, Canada	599	32.8	25.3	8.8	2.1	25.1	2.6	3.1	0.1	69.0	68.7	69.3
Dubai, UAE	464	24.0	16.1	8.2	8.3	25.6	12.0	5.7	0.1	56.6	58.7	54.5
Massachusetts, US	281	31.2	24.3	7.1	3.4	31.6	0.3	2.0	0.0	66.1	68.4	63.7
Minnesota, US	245	37.3	25.7	7.3	5.9	21.7	0.9	1.2	0.0	76.2	77.3	75.3
Ontario, Canada	485	36.3	25.8	5.1	3.3	24.7	1.8	2.7	0.5	70.4	73.2	67.5
Quebec, Canada	549	33.0	18.9	4.0	2.2	25.9	6.8	8.9	0.4	58.1	61.1	55.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S032579 - S11_05)
 Label: Diagram for structure of matter
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	30.0	27.1	30.0	16.1	16.4	9.1	1.2	30.5	29.6
Armenia	662	54.8	23.3	54.8	3.4	5.1	13.1	0.3	54.7	55.0
Australia	583	36.6	36.7	36.6	11.5	12.8	2.1	0.4	30.3	42.1
Bahrain	596	31.3	39.9	31.3	10.0	16.2	2.5	0.2	29.9	32.7
Bosnia and Herzegovina	600	55.1	26.8	55.1	4.9	5.4	7.4	0.4	49.9	60.2
Botswana	602	34.4	15.6	34.4	15.0	29.4	5.4	0.3	37.8	30.6
Bulgaria	433	41.9	28.3	41.9	9.7	15.0	4.6	0.5	37.2	46.3
Chinese Taipei	574	39.4	42.2	39.4	5.9	12.0	0.3	0.2	42.6	36.3
Colombia	695	39.1	42.3	39.1	7.0	6.5	3.4	1.8	36.3	42.3
Cyprus	621	39.5	44.0	39.5	9.2	5.4	1.7	0.2	38.0	41.1
Czech Republic	689	55.7	31.9	55.7	4.7	6.0	1.6	0.0	54.4	57.1
Egypt	941	36.1	32.4	36.1	14.8	14.0	2.7	0.0	38.4	33.9
El Salvador	589	32.7	41.9	32.7	9.3	9.4	5.2	1.4	31.5	34.2
England	585	37.7	28.8	37.7	14.2	18.0	1.3	0.1	35.9	39.7
Georgia	585	40.9	25.7	40.9	6.7	11.7	14.0	1.0	38.0	44.1
Ghana	762	22.2	54.1	22.2	10.2	8.9	4.0	0.6	21.3	22.9
Hong Kong SAR	494	17.9	52.8	17.9	11.5	15.8	2.0	0.0	14.5	21.0
Hungary	593	49.9	39.7	49.9	5.1	3.9	1.4	0.0	46.5	52.9
Indonesia	596	37.1	38.2	37.1	9.9	11.1	3.4	0.3	36.1	38.3
Iran, Islamic Rep. of	580	41.4	30.7	41.4	10.6	11.6	5.6	0.2	42.7	40.3
Israel	461	44.4	28.5	44.4	7.7	13.0	4.9	1.5	45.1	43.9
Italy	625	48.3	35.6	48.3	6.0	6.3	3.8	0.1	47.9	48.7
Japan	613	27.4	29.8	27.4	19.0	23.2	0.6	0.0	24.8	29.9
Jordan	769	47.0	33.3	47.0	8.0	10.8	0.9	0.0	52.9	41.5
Korea, Rep. of	603	32.5	37.8	32.5	13.9	15.7	0.2	0.0	29.0	35.7
Kuwait	570	29.5	35.7	29.5	12.4	16.8	5.3	0.3	34.0	24.4
Lebanon	527	50.2	33.4	50.2	6.0	4.7	5.4	0.4	49.9	50.4
Lithuania	572	53.0	32.3	53.0	6.5	6.0	2.2	0.0	55.0	51.1
Malaysia	638	36.5	34.1	36.5	12.4	15.9	1.1	0.1	37.0	35.9
Malta	663	43.6	19.8	43.6	14.3	16.7	5.6	0.0	45.9	41.1
Morocco	448	28.5	27.6	28.5	17.6	14.7	11.3	0.2	25.3	32.6
Norway	661	32.9	26.4	32.9	14.2	18.6	7.8	0.1	31.3	34.4
Oman	687	36.4	34.6	36.4	12.3	14.5	2.0	0.3	40.9	31.5
Palestinian Nat'l Auth.	632	35.0	35.5	35.0	11.8	14.5	3.2	0.0	37.0	33.1
Qatar	1011	25.5	31.0	25.5	14.8	23.6	5.1	0.0	26.8	24.2
Romania	602	41.4	38.3	41.4	8.5	7.9	3.9	0.0	42.6	40.2
Russian Federation	625	57.2	28.5	57.2	4.5	5.9	3.5	0.3	59.4	54.8
Saudi Arabia	616	30.0	27.1	30.0	19.8	20.5	2.6	0.0	34.1	26.2
Scotland	569	28.9	35.0	28.9	11.7	21.1	3.3	0.0	28.6	29.2
Serbia	567	46.7	30.9	46.7	8.5	7.8	5.3	0.7	47.8	45.5
Singapore	654	61.3	26.5	61.3	4.1	6.5	1.6	0.0	62.2	60.5
Slovenia	576	59.2	19.7	59.2	8.5	11.2	1.4	0.0	61.0	57.4
Sweden	713	40.0	30.4	40.0	10.7	13.2	5.5	0.3	37.5	42.1
Syrian Arab Republic	662	28.6	30.5	28.6	17.1	19.0	4.0	0.7	29.1	28.2
Thailand	768	45.0	31.3	45.0	9.0	12.5	2.1	0.0	43.6	46.5
Tunisia	585	39.2	22.7	39.2	16.6	14.1	7.1	0.3	39.4	38.9
Turkey	649	35.8	38.6	35.8	11.1	12.1	2.4	0.0	38.8	32.8
Ukraine	629	42.8	38.3	42.8	6.4	8.4	4.1	0.0	41.4	44.5
United States	1054	43.8	38.6	43.8	7.7	9.0	0.7	0.2	42.3	45.2
International Avg.	639	39.7	32.9	39.7	10.4	12.6	4.0	0.3	39.5	39.8
Basque Country, Spain	332	49.9	33.4	49.9	7.5	6.7	2.4	0.1	53.0	46.8
British Columbia, Canada	599	36.9	32.5	36.9	12.8	14.9	2.8	0.1	36.2	37.5
Dubai, UAE	464	43.0	34.8	43.0	8.9	9.2	4.0	0.1	46.6	39.3
Massachusetts, US	281	47.4	34.4	47.4	7.8	8.3	1.3	0.7	42.2	52.8
Minnesota, US	245	41.5	33.7	41.5	10.5	12.6	1.7	0.0	42.0	41.0
Ontario, Canada	485	37.2	29.6	37.2	14.9	16.1	1.3	0.8	39.1	35.1
Quebec, Canada	549	45.3	29.0	45.3	12.1	10.9	2.1	0.6	42.2	48.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S032570 - S11_06)
 Label: Identify if substance is metal
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	752	11.4	0.8	0.1	0.0	10.6	28.2	47.8	1.1	12.3	12.0	12.6
Armenia	665	19.6	2.3	3.6	2.5	7.8	8.7	55.1	0.5	27.9	27.3	28.6
Australia	583	19.6	11.1	8.3	0.0	8.2	32.4	19.8	0.7	39.0	36.8	40.9
Bahrain	596	25.5	4.9	2.6	0.8	11.2	27.7	27.1	0.2	33.8	41.9	25.9
Bosnia and Herzegovina	600	16.0	5.5	3.5	0.4	3.3	21.3	49.3	0.7	25.4	26.7	24.2
Botswana	602	7.2	0.5	0.9	0.4	2.8	63.4	23.9	0.8	9.0	8.7	9.4
Bulgaria	433	21.2	13.1	2.3	0.3	1.5	10.6	50.4	0.5	36.9	37.6	36.2
Chinese Taipei	574	33.7	13.0	12.9	0.5	0.8	18.6	20.4	0.2	60.0	61.0	59.1
Colombia	695	4.5	2.7	2.8	0.1	11.0	35.8	40.1	3.0	10.1	7.2	13.5
Cyprus	621	20.4	4.5	1.1	4.1	12.3	13.9	43.6	0.2	30.1	33.6	26.3
Czech Republic	689	28.3	10.6	10.7	0.2	10.3	16.9	23.1	0.0	49.8	48.9	50.7
Egypt	945	9.6	6.1	0.4	0.1	3.8	46.8	33.3	0.0	16.1	16.8	15.5
El Salvador	589	3.4	1.4	4.0	0.0	1.8	34.3	53.5	1.5	8.8	8.2	9.6
England	585	43.0	10.3	7.1	0.0	10.3	16.7	12.6	0.1	60.4	58.2	62.8
Georgia	585	10.4	2.8	0.0	0.4	2.9	13.6	68.2	1.7	13.6	13.9	13.3
Ghana	762	5.7	5.8	1.1	0.3	4.2	23.7	58.2	0.9	12.9	10.2	15.2
Hong Kong SAR	494	26.8	1.4	14.8	1.2	3.3	25.1	27.4	0.0	44.2	46.1	42.4
Hungary	593	33.7	10.1	6.8	0.2	7.5	18.1	23.6	0.0	50.7	47.8	53.3
Indonesia	596	7.3	3.5	2.2	0.6	0.9	55.2	29.8	0.5	13.7	13.6	13.7
Iran, Islamic Rep. of	580	28.4	1.3	4.8	2.8	7.1	14.8	40.6	0.2	37.3	41.4	33.9
Israel	461	47.7	5.5	0.5	0.4	2.0	11.1	31.3	1.5	54.1	55.0	53.4
Italy	623	16.5	2.2	0.9	2.5	3.3	13.9	60.5	0.1	22.2	20.8	23.5
Japan	613	44.4	20.4	2.2	0.0	8.6	12.3	12.2	0.0	67.0	67.2	66.7
Jordan	769	36.8	7.6	2.7	0.9	2.6	29.3	20.0	0.0	48.0	57.3	39.4
Korea, Rep. of	603	22.3	0.5	0.5	0.0	19.8	41.0	15.9	0.0	23.4	22.5	24.1
Kuwait	570	11.7	1.4	1.9	1.2	5.1	34.2	44.3	0.3	16.1	21.3	10.1
Lebanon	537	17.5	2.9	3.8	1.1	7.3	23.2	43.7	0.5	25.3	25.5	25.1
Lithuania	573	21.3	8.4	10.2	0.3	10.9	23.2	25.5	0.2	40.2	39.0	41.3
Malaysia	637	15.1	6.5	2.0	1.3	12.9	42.6	19.3	0.3	24.9	25.7	24.0
Malta	666	19.5	5.9	5.6	0.1	7.6	23.4	37.9	0.0	31.1	29.2	33.2
Morocco	461	5.7	1.9	2.1	1.0	6.1	20.3	62.7	0.2	10.6	10.4	10.8
Norway	661	9.5	6.7	4.3	0.5	7.0	38.0	33.9	0.1	20.9	18.7	23.0
Oman	687	17.0	8.4	0.3	0.2	1.1	48.3	24.3	0.4	25.9	32.8	18.5
Palestinian Nat'l Auth.	631	23.6	4.5	0.2	0.3	6.9	37.5	27.1	0.0	28.5	32.5	24.5
Qatar	1011	7.8	6.2	2.5	0.2	3.4	36.7	43.3	0.0	16.7	22.7	10.8
Romania	602	7.9	9.5	5.4	0.8	9.1	23.6	43.7	0.0	23.5	26.4	20.4
Russian Federation	626	19.3	14.8	5.4	0.1	8.6	20.7	30.5	0.6	39.6	39.4	39.8
Saudi Arabia	619	5.9	4.2	1.3	2.7	4.3	52.8	28.8	0.0	14.1	18.4	10.3
Scotland	569	22.2	8.5	6.8	0.0	4.3	28.8	29.2	0.2	37.6	37.0	38.1
Serbia	577	8.8	3.7	3.5	1.4	8.0	19.9	53.7	1.0	17.4	14.1	20.9
Singapore	654	42.3	9.3	4.1	0.4	15.5	20.3	8.2	0.0	56.0	57.3	54.8
Slovenia	576	36.6	18.9	5.2	0.3	8.6	22.3	8.0	0.0	61.1	62.4	59.8
Sweden	713	23.5	6.9	2.5	0.4	12.9	24.7	28.6	0.5	33.3	34.9	32.0
Syrian Arab Republic	662	8.4	1.7	1.9	1.1	8.5	29.3	48.0	0.9	13.2	12.9	13.6
Thailand	768	13.9	6.8	1.8	0.9	2.1	40.5	33.7	0.3	23.4	26.3	20.5
Tunisia	585	10.4	4.2	1.8	0.5	10.3	36.8	35.3	0.6	17.0	16.9	17.2
Turkey	649	13.7	3.6	3.2	0.8	20.8	24.6	33.2	0.1	21.3	23.0	19.5
Ukraine	629	15.3	5.0	6.1	0.1	11.2	20.3	42.0	0.0	26.5	28.2	24.4
United States	1054	19.4	23.3	6.8	0.3	6.8	31.6	11.6	0.3	49.8	48.7	50.8
International Avg.	639	19.2	6.6	3.8	0.7	7.3	27.7	34.4	0.4	30.2	31.1	29.3
Basque Country, Spain	332	11.5	5.5	5.2	0.9	8.8	22.8	45.1	0.1	23.1	23.0	23.3
British Columbia, Canada	599	20.2	10.9	2.7	0.3	5.2	38.0	22.6	0.1	34.0	30.2	37.9
Dubai, UAE	464	27.0	13.7	3.3	1.0	4.5	22.9	27.4	0.1	45.1	43.2	47.1
Massachusetts, US	281	28.0	21.9	5.6	0.4	5.3	27.0	11.1	0.7	55.9	53.0	59.0
Minnesota, US	245	22.9	19.8	5.0	0.5	7.3	38.2	6.4	0.0	48.2	48.6	47.8
Ontario, Canada	485	22.6	6.4	4.3	0.5	6.2	33.7	25.4	0.8	33.9	35.5	32.3
Quebec, Canada	549	17.3	8.4	5.9	0.0	11.5	29.9	26.6	0.6	31.5	31.5	31.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S032024 - S11_07)
 Label: Energy conversion in a flashlight
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	19.8	57.7	8.0	19.8	8.0	5.1	1.5	19.6	20.0
Armenia	665	27.9	39.2	7.8	27.9	10.4	14.3	0.5	26.9	28.9
Australia	583	36.3	39.8	9.4	36.3	12.0	1.8	0.7	32.1	40.1
Bahrain	596	40.8	38.3	10.9	40.8	8.7	1.1	0.2	43.4	38.2
Bosnia and Herzegovina	600	28.0	47.8	10.9	28.0	8.7	4.0	0.7	23.7	32.2
Botswana	602	53.5	21.8	10.9	53.5	11.5	1.2	1.1	55.6	51.2
Bulgaria	433	26.7	47.1	8.8	26.7	11.8	5.1	0.5	25.3	28.0
Chinese Taipei	574	33.0	50.4	5.2	33.0	10.9	0.3	0.2	29.4	36.4
Colombia	695	18.9	49.9	16.0	18.9	10.8	1.0	3.4	17.0	21.1
Cyprus	621	44.2	28.4	18.2	44.2	8.4	0.7	0.2	38.5	50.3
Czech Republic	689	26.8	53.1	8.6	26.8	8.6	2.8	0.0	19.7	33.8
Egypt	944	49.2	27.3	14.2	49.2	8.3	0.9	0.1	47.7	50.6
El Salvador	589	19.4	41.6	22.3	19.4	12.1	2.5	2.2	16.3	23.0
England	585	60.7	25.6	8.7	60.7	4.7	0.3	0.1	55.3	66.6
Georgia	585	23.1	44.2	10.9	23.1	10.7	8.9	2.2	22.6	23.8
Ghana	762	37.7	33.5	16.7	37.7	10.1	1.1	0.9	32.5	42.0
Hong Kong SAR	494	74.2	17.1	5.1	74.2	3.0	0.6	0.0	75.7	72.7
Hungary	593	30.1	55.5	9.3	30.1	3.9	1.2	0.0	25.5	34.1
Indonesia	596	40.1	22.5	24.7	40.1	11.1	0.7	0.9	37.9	42.9
Iran, Islamic Rep. of	580	39.0	42.0	5.6	39.0	12.6	0.6	0.2	39.3	38.8
Israel	461	29.4	46.1	12.4	29.4	7.6	3.0	1.5	28.8	30.2
Italy	625	33.8	49.6	7.7	33.8	7.4	1.4	0.1	28.2	39.0
Japan	613	55.1	31.4	5.5	55.1	7.8	0.2	0.0	58.3	51.9
Jordan	769	40.5	39.8	11.2	40.5	6.9	1.6	0.0	43.2	38.0
Korea, Rep. of	603	43.2	44.9	5.9	43.2	6.0	0.0	0.0	48.1	38.6
Kuwait	570	28.5	43.4	15.8	28.5	8.4	3.4	0.4	26.7	30.5
Lebanon	531	35.1	46.9	6.5	35.1	10.3	0.7	0.5	33.9	36.7
Lithuania	573	18.8	42.0	19.2	18.8	17.1	2.7	0.2	17.2	20.3
Malaysia	638	50.0	20.1	18.7	50.0	9.8	0.8	0.6	46.3	54.2
Malta	665	47.3	26.8	17.0	47.3	7.2	1.7	0.0	45.9	48.7
Morocco	459	22.4	50.4	9.6	22.4	14.5	2.7	0.4	25.7	18.2
Norway	661	33.9	46.5	5.3	33.9	12.9	1.3	0.1	36.9	31.0
Oman	687	39.5	36.8	12.4	39.5	9.8	0.8	0.6	45.2	33.4
Palestinian Nat'l Auth.	631	26.8	43.0	11.1	26.8	17.1	2.1	0.0	24.6	29.0
Qatar	1010	36.9	33.6	18.6	36.9	9.0	1.9	0.0	43.0	30.9
Romania	602	19.9	65.5	7.7	19.9	6.1	0.8	0.0	18.8	21.1
Russian Federation	626	27.9	58.6	8.5	27.9	2.6	1.8	0.6	26.7	29.2
Saudi Arabia	618	31.0	50.9	9.0	31.0	7.6	1.5	0.0	27.8	34.0
Scotland	569	47.2	35.1	6.1	47.2	10.4	0.9	0.2	46.0	48.4
Serbia	575	25.7	54.4	9.8	25.7	7.0	2.1	1.0	24.2	27.2
Singapore	654	72.1	14.8	7.3	72.1	5.3	0.5	0.0	70.2	73.9
Slovenia	576	25.8	51.3	11.6	25.8	10.7	0.6	0.0	23.0	28.6
Sweden	713	27.1	45.9	9.2	27.1	15.3	2.1	0.5	32.3	22.6
Syrian Arab Republic	662	22.7	44.6	11.1	22.7	18.8	1.9	0.9	23.1	22.3
Thailand	768	25.9	39.7	13.1	25.9	20.3	0.7	0.3	23.8	28.2
Tunisia	585	33.7	43.4	5.9	33.7	12.9	3.4	0.6	32.6	35.2
Turkey	649	31.5	30.2	18.9	31.5	18.2	1.1	0.1	30.7	32.2
Ukraine	629	16.8	62.1	11.2	16.8	9.3	0.6	0.0	14.7	19.3
United States	1054	33.3	47.3	9.8	33.3	9.2	0.1	0.3	29.5	37.0
International Avg.	639	34.9	41.4	11.2	34.9	10.0	2.0	0.5	33.9	36.0
Basque Country, Spain	332	36.7	42.5	8.7	36.7	11.0	1.1	0.1	30.7	42.3
British Columbia, Canada	599	37.0	45.5	8.1	37.0	7.7	1.5	0.1	39.4	34.5
Dubai, UAE	464	43.8	37.7	7.9	43.8	8.8	1.8	0.1	38.2	49.6
Massachusetts, US	281	35.5	49.3	6.3	35.5	7.7	0.6	0.7	32.6	38.4
Minnesota, US	245	32.2	47.8	7.5	32.2	12.4	0.1	0.0	30.2	34.0
Ontario, Canada	485	30.1	45.1	11.5	30.1	12.0	0.4	0.8	28.7	31.5
Quebec, Canada	549	26.8	52.1	6.3	26.8	12.8	1.4	0.6	22.9	30.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S032272 - S11_08)
 Label: Water level in heated container
 Type: CR Key: -

COUNTRY	N	10	19	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	761	4.7	0.8	23.8	14.8	8.2	26.5	19.4	1.7	5.5	6.4	4.7
Armenia	662	21.5	3.3	20.9	6.0	1.3	16.4	30.1	0.6	24.7	22.1	27.7
Australia	583	13.2	1.3	26.1	30.6	15.0	4.6	8.4	0.7	14.6	9.5	19.0
Bahrain	596	8.5	0.4	27.4	23.6	15.5	9.4	15.0	0.2	8.9	11.3	6.6
Bosnia and Herzegovina	599	8.0	0.3	18.4	21.6	15.8	11.1	24.1	0.7	8.3	8.1	8.5
Botswana	602	2.1	0.1	20.0	22.5	14.3	27.5	12.2	1.2	2.2	1.9	2.5
Bulgaria	433	17.2	0.0	22.1	13.2	8.7	6.7	31.6	0.5	17.2	10.9	23.1
Chinese Taipei	574	24.2	0.0	24.2	21.6	22.8	2.1	4.9	0.2	24.2	19.7	28.5
Colombia	695	4.7	0.0	29.6	23.7	20.0	3.9	14.5	3.5	4.7	3.6	6.0
Cyprus	621	6.2	1.7	36.1	25.9	14.4	2.9	12.7	0.2	7.8	8.1	7.6
Czech Republic	689	17.2	0.0	28.1	20.1	24.6	2.0	8.0	0.0	17.2	10.5	23.7
Egypt	944	5.1	0.0	29.2	24.8	14.5	14.1	12.1	0.1	5.1	3.9	6.2
El Salvador	589	9.6	0.0	17.2	20.8	16.8	12.8	20.6	2.2	9.6	7.3	12.2
England	585	13.2	0.0	30.9	30.5	14.2	3.9	7.3	0.1	13.2	11.0	15.6
Georgia	586	8.4	0.5	10.8	10.6	12.8	8.4	46.4	2.2	8.9	8.2	9.8
Ghana	762	1.6	0.0	9.7	12.7	7.2	24.2	43.8	0.9	1.6	0.8	2.2
Hong Kong SAR	494	22.7	0.0	27.3	23.2	11.0	5.1	10.7	0.0	22.7	23.0	22.5
Hungary	593	17.4	0.0	30.8	25.0	16.3	3.0	7.4	0.0	17.4	10.5	23.4
Indonesia	596	12.3	0.5	20.1	20.0	7.3	24.7	14.2	0.9	12.8	11.6	14.4
Iran, Islamic Rep. of	580	10.8	0.5	27.1	18.5	24.6	6.1	12.2	0.2	11.3	11.2	11.3
Israel	461	12.4	0.2	22.7	20.9	17.4	5.4	19.5	1.5	12.6	11.6	13.8
Italy	624	18.2	5.6	11.4	23.3	18.6	6.1	16.6	0.3	23.8	22.5	24.9
Japan	613	24.5	0.0	34.0	26.3	11.5	2.7	1.0	0.0	24.5	18.8	30.2
Jordan	769	11.3	0.8	26.2	26.3	18.6	9.4	7.4	0.0	12.1	11.4	12.8
Korea, Rep. of	603	26.1	0.0	27.9	27.3	14.0	1.2	3.6	0.0	26.1	20.6	31.2
Kuwait	570	7.2	0.5	20.2	17.6	7.1	21.0	26.0	0.4	7.7	7.7	7.6
Lebanon	537	5.4	1.0	15.8	22.9	15.6	10.5	28.2	0.6	6.4	6.2	6.6
Lithuania	573	21.7	0.3	21.1	18.5	25.0	3.4	9.9	0.2	22.0	16.0	27.6
Malaysia	638	18.3	1.4	29.4	25.9	6.4	9.8	8.1	0.6	19.7	18.6	21.0
Malta	666	8.1	0.0	28.4	27.2	15.5	5.1	15.7	0.0	8.1	7.0	9.2
Morocco	461	7.8	0.9	26.0	17.9	8.9	6.5	31.4	0.6	8.7	9.3	8.0
Norway	661	14.1	0.0	32.2	27.6	13.5	4.6	7.8	0.1	14.1	11.2	17.0
Oman	687	6.4	0.0	27.3	27.5	18.5	11.3	8.4	0.6	6.4	7.1	5.6
Palestinian Nat'l Auth.	632	5.7	1.6	28.6	25.6	20.0	7.5	10.9	0.0	7.4	8.4	6.4
Qatar	1011	2.2	0.2	18.7	16.0	15.0	20.7	27.3	0.0	2.3	3.2	1.6
Romania	602	10.4	0.4	16.5	16.1	14.9	17.5	24.3	0.0	10.8	8.6	13.2
Russian Federation	626	18.9	3.4	27.2	18.0	17.2	1.7	12.8	0.9	22.3	19.8	25.1
Saudi Arabia	619	4.3	0.5	25.9	24.3	22.4	10.8	11.8	0.0	4.8	6.3	3.5
Scotland	569	11.2	0.0	34.7	23.3	15.8	3.3	11.5	0.2	11.2	7.5	14.6
Serbia	577	6.3	1.6	18.7	25.4	19.5	3.3	24.3	1.0	7.9	7.4	8.4
Singapore	654	34.0	0.2	27.1	14.2	11.3	8.6	4.6	0.0	34.2	33.5	34.9
Slovenia	576	16.5	0.4	22.3	27.0	29.8	2.0	2.1	0.0	16.9	12.5	21.3
Sweden	713	14.9	1.2	28.9	22.7	20.3	3.4	8.1	0.5	16.0	14.6	17.3
Syrian Arab Republic	662	9.8	0.1	25.9	18.6	18.8	12.5	13.5	0.9	9.9	9.5	10.3
Thailand	768	10.2	0.4	22.3	21.8	12.2	13.5	19.3	0.3	10.6	10.0	11.2
Tunisia	585	10.3	0.7	26.4	32.9	10.2	7.1	11.6	0.7	11.1	8.3	14.5
Turkey	649	11.0	0.3	20.3	25.9	16.2	10.3	15.9	0.1	11.4	8.8	13.9
Ukraine	629	16.5	0.3	22.5	20.3	18.1	3.4	18.9	0.0	16.8	13.3	21.0
United States	1054	10.4	0.1	39.5	27.1	16.2	2.0	4.2	0.3	10.6	6.4	14.7
International Avg.	639	12.3	0.6	24.7	22.0	15.4	9.0	15.5	0.5	12.9	11.1	14.7
Basque Country, Spain	332	9.9	0.6	36.6	27.4	18.6	2.2	4.5	0.1	10.5	7.9	13.1
British Columbia, Canada	599	20.8	0.2	25.8	25.5	15.6	3.2	8.4	0.4	21.0	17.3	24.9
Dubai, UAE	464	9.9	0.6	26.7	24.6	12.5	8.9	16.4	0.5	10.5	5.9	15.3
Massachusetts, US	281	16.5	0.0	34.4	30.9	12.5	1.6	3.4	0.7	16.5	13.5	19.7
Minnesota, US	245	12.1	0.0	35.1	36.1	14.3	1.0	1.3	0.0	12.1	10.1	14.0
Ontario, Canada	485	22.8	0.0	24.9	24.9	14.6	2.7	9.3	0.8	22.8	21.8	23.8
Quebec, Canada	549	14.5	0.0	28.6	26.4	14.1	6.6	9.1	0.6	14.5	14.5	14.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S032141 - S11_09)
 Label: Gravity acting on parachute jumper
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	765	17.8	18.8	42.5	14.0	17.8	4.8	2.0	18.0	17.7
Armenia	664	39.9	15.4	28.9	8.2	39.9	6.9	0.7	37.8	42.2
Australia	583	26.8	12.8	50.1	7.9	26.8	1.3	1.0	26.1	27.5
Bahrain	596	33.7	11.7	44.2	9.1	33.7	0.8	0.5	36.2	31.3
Bosnia and Herzegovina	600	29.6	18.5	42.3	6.6	29.6	2.2	0.7	28.6	30.6
Botswana	.	.	.	.	.	.	.	.	.	.
Bulgaria	433	25.8	18.2	43.6	9.8	25.8	2.0	0.7	24.8	26.6
Chinese Taipei	574	43.7	8.8	42.4	4.7	43.7	0.2	0.2	38.6	48.5
Colombia	695	17.1	18.0	49.0	8.9	17.1	2.3	4.7	14.1	20.7
Cyprus	621	12.2	20.4	56.9	9.7	12.2	0.7	0.2	11.3	13.2
Czech Republic	689	59.8	6.7	27.7	5.6	59.8	0.2	0.0	54.4	65.0
Egypt	941	27.3	16.1	39.9	15.1	27.3	1.2	0.4	33.0	21.7
El Salvador	589	29.8	17.3	38.4	11.2	29.8	0.4	2.9	30.2	29.3
England	585	39.0	9.3	42.9	8.4	39.0	0.4	0.1	35.7	42.7
Georgia	586	18.8	18.5	35.9	16.7	18.8	6.4	3.8	21.2	16.2
Ghana	.	.	.	.	.	.	.	.	.	.
Hong Kong SAR	494	34.1	11.0	43.4	11.5	34.1	0.0	0.0	28.6	39.4
Hungary	593	46.3	9.3	38.2	6.3	46.3	0.0	0.0	37.5	54.0
Indonesia	.	.	.	.	.	.	.	.	.	.
Iran, Islamic Rep. of	579	19.2	13.4	55.8	9.6	19.2	1.4	0.5	18.6	19.8
Israel	461	37.1	11.2	41.7	7.4	37.1	1.1	1.5	34.4	40.3
Italy	624	27.2	18.3	46.2	7.6	27.2	0.1	0.5	23.5	30.6
Japan	613	48.1	12.9	31.4	7.2	48.1	0.4	0.0	41.4	54.8
Jordan	768	38.8	15.5	33.0	10.8	38.8	1.8	0.0	38.2	39.4
Korea, Rep. of	603	57.7	4.9	33.8	3.6	57.7	0.0	0.0	56.1	59.2
Kuwait	570	31.9	11.1	41.6	12.1	31.9	2.7	0.6	32.9	30.7
Lebanon	525	27.4	13.3	37.1	17.4	27.4	3.3	1.4	25.6	29.8
Lithuania	573	50.4	7.6	34.5	7.3	50.4	0.0	0.2	45.6	54.9
Malaysia	637	22.4	9.1	59.3	7.7	22.4	0.8	0.8	22.5	22.4
Malta	666	31.2	11.0	49.8	6.9	31.2	1.2	0.0	30.0	32.5
Morocco	461	18.0	19.9	42.8	15.6	18.0	3.0	0.7	20.5	14.9
Norway	661	30.0	11.9	47.8	8.7	30.0	1.4	0.3	23.1	36.5
Oman	687	26.1	16.5	41.5	13.7	26.1	1.0	1.1	29.5	22.5
Palestinian Nat'l Auth.	633	33.4	19.2	34.2	11.8	33.4	1.3	0.0	43.4	23.4
Qatar	1011	28.1	16.0	38.2	16.6	28.1	0.9	0.1	29.9	26.3
Romania	602	23.0	18.8	47.2	10.9	23.0	0.1	0.0	22.0	24.2
Russian Federation	626	35.3	17.2	39.6	5.4	35.3	1.0	1.6	29.3	42.1
Saudi Arabia	617	26.3	15.6	42.5	13.6	26.3	1.6	0.4	28.1	24.6
Scotland	569	30.3	9.8	51.5	6.8	30.3	1.1	0.4	25.9	34.3
Serbia	573	32.5	14.6	45.2	6.2	32.5	0.6	1.0	26.2	39.1
Singapore	654	41.5	6.1	46.1	6.3	41.5	0.0	0.0	38.1	44.9
Slovenia	576	39.9	10.5	40.3	9.1	39.9	0.2	0.0	35.3	44.4
Sweden	713	50.8	7.2	33.7	7.4	50.8	0.3	0.6	47.2	53.8
Syrian Arab Republic	662	27.4	21.5	35.3	13.9	27.4	0.9	1.0	28.9	25.9
Thailand	768	24.7	8.5	53.9	11.3	24.7	1.3	0.3	21.3	28.3
Tunisia	585	11.9	18.5	56.2	10.1	11.9	2.4	0.9	12.6	11.1
Turkey	649	29.8	16.1	42.7	10.9	29.8	0.3	0.1	25.8	33.8
Ukraine	629	31.9	18.0	42.3	6.7	31.9	1.0	0.2	22.5	43.0
United States	1054	36.9	9.2	46.3	6.7	36.9	0.5	0.4	29.3	44.4
International Avg.	638	32.0	13.8	42.6	9.6	32.0	1.3	0.7	30.1	33.9
Basque Country, Spain	332	28.5	14.5	48.1	7.4	28.5	1.3	0.1	17.0	39.6
British Columbia, Canada	599	43.2	7.2	40.6	6.2	43.2	1.8	0.9	39.5	47.1
Dubai, UAE	464	29.6	12.9	45.6	8.8	29.6	2.4	0.7	27.4	32.0
Massachusetts, US	281	51.8	5.7	35.3	5.8	51.8	0.7	0.7	46.1	57.7
Minnesota, US	245	39.0	7.4	46.2	6.2	39.0	1.2	0.0	38.6	39.5
Ontario, Canada	485	40.7	10.0	40.5	7.5	40.7	0.4	0.9	38.8	42.7
Quebec, Canada	549	26.3	16.5	46.6	7.4	26.3	2.3	0.9	22.0	30.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S032060 - S11_10)
 Label: Order of steps in the water cycle
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	755	45.3	41.9	10.1	2.7	45.3	44.3	46.3
Armenia	663	57.0	26.9	15.4	0.8	57.0	58.5	55.2
Australia	583	71.3	24.9	2.8	1.0	71.3	68.7	73.5
Bahrain	596	55.5	41.5	2.4	0.5	55.5	60.3	50.7
Bosnia and Herzegovina	600	41.0	51.0	7.3	0.7	41.0	42.3	39.8
Botswana	604	39.4	52.9	3.9	3.8	39.4	39.8	38.9
Bulgaria	433	60.3	25.5	13.5	0.7	60.3	67.8	53.3
Chinese Taipei	574	80.4	17.4	2.0	0.2	80.4	81.8	79.1
Colombia	695	47.8	40.0	6.9	5.3	47.8	41.1	55.7
Cyprus	621	53.4	44.1	2.4	0.2	53.4	58.2	48.2
Czech Republic	689	84.9	13.7	1.4	0.0	84.9	87.0	82.9
Egypt	192	17.7	50.0	29.1	3.2	17.7	15.0	21.3
El Salvador	589	25.8	59.4	11.9	2.9	25.8	23.7	28.2
England	585	72.8	25.7	1.4	0.1	72.8	67.6	78.6
Georgia	586	43.7	21.2	31.3	3.8	43.7	51.7	35.0
Ghana	762	12.2	56.5	29.0	2.3	12.2	10.5	13.5
Hong Kong SAR	494	83.4	15.8	0.8	0.0	83.4	81.4	85.2
Hungary	593	77.8	21.5	0.6	0.0	77.8	77.6	78.1
Indonesia	596	44.6	49.5	4.3	1.5	44.6	42.0	47.8
Iran, Islamic Rep. of	579	47.8	41.1	9.3	1.8	47.8	51.2	45.0
Israel	461	70.1	21.9	5.9	2.0	70.1	69.3	71.4
Italy	623	68.9	26.0	4.5	0.5	68.9	66.1	71.5
Japan	613	65.0	32.7	2.1	0.2	65.0	63.3	66.7
Jordan	768	62.1	34.8	2.9	0.2	62.1	62.4	61.8
Korea, Rep. of	603	79.7	19.9	0.4	0.0	79.7	77.4	81.8
Kuwait	570	54.7	32.9	11.3	1.1	54.7	58.5	50.5
Lebanon	537	53.0	41.2	4.3	1.5	53.0	46.1	61.6
Lithuania	573	75.9	20.3	3.6	0.2	75.9	79.6	72.5
Malaysia	638	64.8	31.1	3.1	1.0	64.8	66.5	62.9
Malta	665	62.7	34.9	2.4	0.0	62.7	64.4	60.7
Morocco	461	42.9	44.6	11.8	0.7	42.9	36.5	50.8
Norway	.	.	.	.	.	.	.	.
Oman	687	61.0	33.9	3.9	1.3	61.0	70.6	50.6
Palestinian Nat'l Auth.	633	38.5	57.3	4.2	0.0	38.5	38.5	38.4
Qatar	1011	27.4	56.7	15.8	0.1	27.4	33.0	21.9
Romania	602	56.8	35.6	7.6	0.0	56.8	62.8	50.1
Russian Federation	626	72.0	20.2	6.1	1.7	72.0	76.4	67.0
Saudi Arabia	618	48.5	44.1	6.7	0.7	48.5	56.5	41.2
Scotland	569	69.9	26.9	2.6	0.6	69.9	70.3	69.6
Serbia	577	42.8	50.7	5.3	1.2	42.8	44.3	41.3
Singapore	654	77.2	21.8	0.9	0.0	77.2	78.7	75.7
Slovenia	576	71.5	28.0	0.5	0.0	71.5	70.0	73.0
Sweden	.	.	.	.	.	.	.	.
Syrian Arab Republic	662	46.7	44.1	8.0	1.1	46.7	44.1	49.4
Thailand	768	70.5	25.3	3.8	0.4	70.5	72.3	68.7
Tunisia	585	64.0	31.7	3.2	1.1	64.0	57.2	72.4
Turkey	649	36.3	58.0	5.5	0.1	36.3	37.2	35.5
Ukraine	629	62.1	30.6	7.0	0.2	62.1	60.6	63.9
United States	1054	71.0	27.5	1.0	0.5	71.0	70.5	71.5
International Avg.	621	57.0	35.2	6.8	1.0	57.0	57.5	56.6
Basque Country, Spain	332	76.9	21.3	1.6	0.1	76.9	80.3	73.6
British Columbia, Canada	599	76.6	20.3	1.7	1.3	76.6	77.7	75.6
Dubai, UAE	464	62.5	32.7	4.1	0.7	62.5	63.5	61.5
Massachusetts, US	281	80.8	17.4	1.1	0.7	80.8	76.9	84.8
Minnesota, US	245	72.9	24.9	2.2	0.0	72.9	76.1	70.0
Ontario, Canada	485	73.8	22.0	3.3	0.9	73.8	73.8	73.9
Quebec, Canada	549	75.0	22.6	1.2	1.1	75.0	76.6	73.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S032463 - S11_11)
 Label: Soil change due to natural causes
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	29.4	18.5	30.6	11.8	29.4	6.3	3.3	34.2	25.0
Armenia	662	49.3	11.9	14.0	6.5	49.3	17.3	1.1	46.9	52.0
Australia	583	63.3	12.2	8.6	12.5	63.3	2.3	1.1	61.6	64.8
Bahrain	596	46.3	18.6	18.5	13.8	46.3	1.8	0.9	53.7	39.0
Bosnia and Herzegovina	600	53.0	19.6	16.2	4.8	53.0	5.6	0.8	50.1	55.8
Botswana	604	45.0	9.3	22.6	14.3	45.0	3.9	5.0	46.1	43.8
Bulgaria	433	43.6	25.4	13.1	11.5	43.6	5.6	0.7	45.5	41.9
Chinese Taipei	574	82.1	4.3	10.6	2.7	82.1	0.2	0.2	85.6	78.8
Colombia	695	52.9	12.5	19.7	6.8	52.9	1.1	7.1	48.7	57.7
Cyprus	621	42.9	11.5	23.2	20.0	42.9	2.0	0.4	44.2	41.4
Czech Republic	689	69.9	15.2	8.7	5.1	69.9	1.1	0.0	73.6	66.4
Egypt	939	40.9	18.2	21.2	17.6	40.9	1.7	0.4	39.6	42.1
El Salvador	589	43.7	12.3	28.1	9.6	43.7	2.2	4.1	43.6	43.7
England	585	65.7	13.7	7.1	10.9	65.7	2.2	0.5	69.5	61.4
Georgia	586	55.3	8.7	16.8	8.0	55.3	6.2	5.0	64.5	45.3
Ghana	762	39.9	21.6	14.8	17.9	39.9	1.9	3.8	42.2	38.0
Hong Kong SAR	494	71.0	7.0	14.5	5.6	71.0	1.7	0.2	71.8	70.3
Hungary	593	70.2	11.3	12.3	4.6	70.2	1.5	0.1	75.5	65.6
Indonesia	596	45.2	13.9	28.9	8.9	45.2	0.8	2.4	40.2	51.4
Iran, Islamic Rep. of	579	50.1	9.5	22.5	13.9	50.1	2.2	1.8	52.7	47.9
Israel	461	56.2	11.6	12.6	13.8	56.2	3.5	2.2	56.8	55.8
Italy	624	66.4	8.7	14.0	8.0	66.4	2.2	0.8	68.9	64.0
Japan	613	80.9	3.5	11.4	3.6	80.9	0.4	0.2	84.9	76.8
Jordan	768	41.6	23.0	24.5	9.7	41.6	0.8	0.4	41.6	41.5
Korea, Rep. of	603	77.6	10.1	8.7	3.6	77.6	0.0	0.0	75.8	79.2
Kuwait	570	37.1	20.1	25.8	12.3	37.1	3.1	1.5	40.3	33.5
Lebanon	514	37.5	14.6	21.4	15.9	37.5	9.0	1.7	37.6	37.3
Lithuania	565	56.6	22.0	10.4	8.1	56.6	2.7	0.3	58.0	55.3
Malaysia	638	50.3	11.2	26.9	9.4	50.3	1.1	1.1	50.6	50.0
Malta	664	44.7	14.2	19.8	17.8	44.7	3.2	0.3	45.8	43.4
Morocco	454	26.9	29.5	25.9	13.3	26.9	3.3	1.2	28.4	25.0
Norway	661	36.0	25.5	19.9	14.4	36.0	3.0	1.1	37.2	34.8
Oman	687	29.6	22.4	33.5	11.7	29.6	1.3	1.4	31.0	28.1
Palestinian Nat'l Auth.	633	34.5	25.3	25.9	12.5	34.5	1.5	0.2	37.5	31.5
Qatar	1011	22.8	23.3	29.7	21.4	22.8	2.4	0.4	25.2	20.4
Romania	602	46.4	9.6	32.0	9.2	46.4	2.4	0.6	51.3	41.0
Russian Federation	626	66.6	9.3	9.3	6.8	66.6	5.5	2.5	73.0	59.4
Saudi Arabia	616	38.9	29.5	16.0	13.5	38.9	1.1	0.9	41.8	36.3
Scotland	569	55.6	15.8	8.1	15.6	55.6	4.2	0.8	57.0	54.2
Serbia	571	52.9	14.3	14.8	11.3	52.9	5.2	1.5	57.4	48.1
Singapore	654	65.7	9.5	10.7	13.3	65.7	0.9	0.0	69.8	61.6
Slovenia	576	59.7	23.6	11.6	4.1	59.7	1.0	0.0	61.0	58.4
Sweden	711	55.2	20.2	11.4	10.5	55.2	2.1	0.6	58.4	52.4
Syrian Arab Republic	662	41.9	17.1	29.3	7.8	41.9	2.4	1.5	37.6	46.3
Thailand	768	61.7	17.2	14.0	5.8	61.7	0.6	0.7	65.8	57.3
Tunisia	585	37.7	17.6	28.4	8.6	37.7	6.6	1.1	37.4	38.0
Turkey	649	60.9	11.1	19.5	7.7	60.9	0.8	0.1	64.3	57.4
Ukraine	629	64.9	16.4	9.1	5.7	64.9	2.9	1.1	67.5	61.7
United States	1054	61.5	10.7	12.9	13.2	61.5	1.2	0.5	62.2	60.7
International Avg.	639	51.6	15.6	18.2	10.5	51.6	2.9	1.3	53.3	49.8
Basque Country, Spain	332	64.8	10.5	13.6	7.8	64.8	3.2	0.1	62.8	66.8
British Columbia, Canada	599	64.9	12.3	8.3	11.4	64.9	1.6	1.5	66.3	63.5
Dubai, UAE	462	55.2	14.6	14.2	10.8	55.2	3.8	1.4	55.0	55.4
Massachusetts, US	281	72.8	8.9	8.2	7.5	72.8	2.0	0.7	73.1	72.4
Minnesota, US	245	69.0	6.1	10.9	11.9	69.0	2.1	0.0	74.0	64.5
Ontario, Canada	485	62.6	15.0	8.1	10.3	62.6	2.8	1.2	61.1	64.2
Quebec, Canada	549	72.7	7.7	7.7	8.2	72.7	2.5	1.2	75.8	69.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S032650A - S11_12A)
 Label: Changes at high elevations
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	762	21.3	2.2	7.9	4.7	9.1	1.7	24.9	24.7	3.7	36.0	36.1	35.9
Armenia	665	20.5	5.2	1.0	2.4	4.1	0.8	10.3	54.0	1.8	29.0	30.8	26.9
Australia	583	31.4	41.2	1.1	1.6	0.1	0.2	14.9	8.2	1.3	75.3	76.0	74.6
Bahrain	596	33.3	9.6	2.8	6.9	2.2	0.8	25.6	17.7	1.0	52.6	62.2	43.1
Bosnia and Herzegovina	600	21.3	9.9	2.0	1.2	1.1	2.2	29.8	30.6	2.0	34.3	33.3	35.3
Botswana	604	10.9	1.2	1.6	2.1	0.8	0.0	60.2	16.4	6.7	15.8	18.1	13.3
Bulgaria	433	27.7	25.2	0.6	1.1	0.0	1.0	9.3	34.2	0.8	54.7	57.1	52.5
Chinese Taipei	574	28.1	37.2	4.1	1.0	1.4	3.8	7.9	16.4	0.2	70.4	73.6	67.4
Colombia	695	15.9	10.8	2.1	1.4	3.5	0.4	34.6	24.0	7.3	30.2	24.6	36.7
Cyprus	621	30.5	6.1	2.3	2.4	0.0	0.1	28.5	29.8	0.4	41.2	41.6	40.9
Czech Republic	689	26.4	41.2	0.3	0.7	2.4	7.2	10.5	11.3	0.0	68.6	65.7	71.4
Egypt	944	28.7	6.0	1.3	0.8	3.3	0.7	41.0	17.7	0.6	36.8	38.9	34.7
El Salvador	589	18.1	3.5	5.7	3.5	1.0	0.4	29.7	33.7	4.3	30.8	26.8	35.3
England	585	40.5	35.7	1.6	1.8	0.3	0.7	9.7	9.2	0.5	79.6	78.4	81.0
Georgia	582	9.5	4.8	1.5	0.0	3.7	1.7	13.8	59.9	5.1	15.8	19.2	12.0
Ghana	762	2.8	0.1	1.1	0.6	0.4	0.3	34.5	56.4	3.8	4.6	3.8	5.3
Hong Kong SAR	494	18.5	42.4	0.8	1.6	1.1	3.9	11.5	19.7	0.5	63.3	68.8	58.3
Hungary	593	39.1	34.0	2.9	3.1	2.2	1.7	9.6	7.3	0.1	79.1	78.3	79.8
Indonesia	596	18.2	5.0	0.9	1.0	1.7	0.5	42.9	26.8	2.8	25.3	26.4	23.9
Iran, Islamic Rep. of	579	16.3	12.0	1.7	2.5	11.0	1.6	22.1	30.5	2.4	32.5	35.0	30.3
Israel	461	33.6	17.5	2.1	1.7	0.5	0.2	14.8	27.0	2.6	54.9	55.8	54.1
Italy	625	50.0	0.5	0.1	0.0	1.4	0.3	18.4	28.2	1.1	50.6	49.6	51.6
Japan	613	16.5	50.2	3.3	0.0	1.5	1.4	13.4	13.4	0.2	70.0	70.2	69.9
Jordan	769	35.5	12.7	7.4	5.2	1.0	1.7	24.1	12.1	0.4	60.7	65.4	56.5
Korea, Rep. of	603	27.1	41.0	1.5	0.0	1.8	4.2	11.3	13.0	0.0	69.7	66.7	72.4
Kuwait	570	35.4	1.1	1.4	1.2	3.1	2.6	26.4	27.1	1.7	39.2	44.0	33.7
Lebanon	537	13.1	4.5	2.2	0.5	1.7	0.3	23.6	49.6	4.3	20.4	17.4	24.1
Lithuania	573	29.7	30.2	0.4	0.7	0.6	5.6	15.3	16.9	0.4	61.1	60.4	61.7
Malaysia	638	27.6	9.6	0.9	1.1	3.1	1.3	32.7	22.2	1.5	39.2	39.1	39.4
Malta	666	30.6	17.6	1.5	1.5	0.0	1.2	20.5	26.0	1.1	51.3	55.4	46.8
Morocco	461	17.8	6.8	10.6	7.7	1.9	0.2	21.2	31.8	2.0	42.8	44.4	40.9
Norway	661	15.6	44.1	0.3	1.8	6.2	0.9	15.4	14.3	1.4	61.7	63.0	60.4
Oman	687	28.2	10.0	10.1	8.4	0.1	2.0	29.0	10.6	1.5	56.7	63.1	49.9
Palestinian Nat'l Auth.	633	15.2	27.6	5.0	3.1	1.2	1.3	30.3	15.8	0.3	51.0	57.4	44.6
Qatar	1011	15.2	1.1	3.4	1.5	1.8	0.4	41.4	34.6	0.7	21.1	24.9	17.5
Romania	602	38.0	11.8	3.2	1.6	1.5	1.2	20.9	21.4	0.6	54.6	56.8	52.1
Russian Federation	626	27.1	18.2	0.8	0.4	2.4	9.1	12.3	27.1	2.6	46.4	44.9	48.1
Saudi Arabia	618	29.1	2.5	1.8	3.3	4.3	4.1	38.1	15.8	1.0	36.7	44.9	29.2
Scotland	569	34.5	30.6	2.0	3.5	1.5	1.0	8.8	16.9	1.1	70.6	69.2	71.8
Serbia	577	18.7	19.0	2.5	1.2	2.1	1.9	18.0	35.1	1.5	41.4	43.6	39.1
Singapore	654	37.9	34.8	0.8	1.2	1.5	1.0	12.1	10.6	0.0	74.8	75.9	73.6
Slovenia	576	37.2	31.6	3.0	2.7	2.5	3.3	13.5	6.3	0.0	74.4	78.2	70.7
Sweden	713	22.0	34.8	0.2	0.2	3.7	0.8	14.3	23.1	1.0	57.2	56.6	57.7
Syrian Arab Republic	662	31.4	6.0	6.1	1.5	8.6	2.3	24.6	17.8	1.7	45.0	41.3	48.8
Thailand	768	33.6	4.8	2.5	3.0	0.5	1.1	30.4	23.2	0.9	43.8	50.0	37.4
Tunisia	585	21.5	9.1	9.8	13.0	0.9	1.4	23.8	18.7	1.7	53.3	48.6	59.1
Turkey	649	34.9	6.3	7.4	4.4	1.5	1.6	23.5	20.2	0.1	53.0	56.5	49.5
Ukraine	629	22.3	9.5	1.2	7.8	3.1	6.9	14.9	33.2	1.2	40.8	39.1	42.7
United States	1054	35.3	31.4	2.0	1.0	1.0	2.2	16.7	9.8	0.5	69.6	69.2	70.1
International Avg.	640	26.0	17.5	2.8	2.4	2.2	1.9	22.1	23.5	1.6	48.7	49.9	47.6
Basque Country, Spain	332	37.2	30.3	3.7	1.2	0.0	0.3	11.8	15.1	0.4	72.3	68.2	76.2
British Columbia, Canada	599	24.8	40.6	2.4	1.6	0.2	1.7	13.3	13.8	1.5	69.4	72.7	66.1
Dubai, UAE	464	33.6	23.2	2.4	1.1	2.2	2.5	18.1	15.4	1.6	60.2	63.2	57.1
Massachusetts, US	281	34.5	37.0	1.5	1.4	0.6	3.0	12.2	8.4	1.3	74.4	71.1	77.8
Minnesota, US	245	35.7	38.6	0.8	0.9	0.2	1.0	16.5	5.7	0.6	76.0	79.8	72.5
Ontario, Canada	485	39.0	33.2	1.9	0.9	0.6	1.6	8.4	12.8	1.7	74.9	75.3	74.4
Quebec, Canada	549	36.9	30.0	2.2	1.8	0.3	0.4	9.8	17.1	1.5	70.9	72.1	69.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S032650B - S11_12B)
 Label: Changes at high elevations
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	762	5.7	3.8	8.6	5.5	8.2	2.7	27.9	33.8	3.8	23.5	25.4	21.8
Armenia	665	12.8	5.0	1.6	2.5	3.6	1.4	7.4	64.0	1.8	21.9	24.8	18.5
Australia	583	34.8	19.8	5.1	4.1	0.3	0.2	20.9	13.5	1.3	63.9	60.5	66.9
Bahrain	596	17.2	10.1	8.6	7.2	2.1	2.4	28.1	23.2	1.0	43.1	52.9	33.5
Bosnia and Herzegovina	600	15.0	7.9	2.1	0.7	0.9	1.9	25.2	44.3	2.0	25.7	26.6	24.9
Botswana	604	7.1	1.0	3.0	2.0	0.7	0.0	56.3	23.2	6.7	13.1	14.5	11.5
Bulgaria	433	18.4	17.9	0.5	2.5	0.3	0.6	12.1	47.0	0.8	39.3	40.7	38.0
Chinese Taipei	574	27.5	21.9	5.0	0.5	1.1	3.3	16.0	24.4	0.2	55.0	56.4	53.7
Colombia	695	15.7	8.3	0.7	1.4	1.1	0.7	32.9	32.0	7.3	26.0	20.3	32.9
Cyprus	621	12.2	5.6	2.7	3.3	0.0	0.2	30.6	45.0	0.4	23.8	22.9	24.7
Czech Republic	689	34.8	17.4	1.5	3.5	2.2	2.5	15.3	22.7	0.0	57.3	51.6	62.8
Egypt	945	9.5	5.8	4.9	1.8	1.8	1.6	43.6	30.4	0.6	22.0	24.7	19.3
El Salvador	589	9.1	3.9	3.8	3.0	1.3	0.8	32.0	41.8	4.3	19.8	16.9	23.2
England	585	32.1	18.3	5.6	3.4	1.2	1.0	23.1	14.9	0.5	59.3	55.1	64.0
Georgia	582	6.6	2.1	0.1	0.2	1.1	0.7	11.0	73.1	5.1	9.1	11.8	6.1
Ghana	762	1.8	0.3	0.6	1.3	0.5	0.2	27.9	63.7	3.8	3.9	3.8	4.0
Hong Kong SAR	494	30.5	17.1	1.4	3.5	0.9	2.4	16.2	27.5	0.5	52.6	50.6	54.4
Hungary	593	28.7	28.7	5.4	4.8	0.6	2.7	10.9	18.0	0.1	67.7	67.3	68.0
Indonesia	596	10.7	3.5	0.9	2.2	1.7	1.3	43.8	33.2	2.8	17.2	17.4	17.1
Iran, Islamic Rep. of	579	7.7	6.8	2.2	2.0	3.1	0.7	26.9	48.2	2.4	18.7	15.7	21.2
Israel	461	18.7	13.6	5.4	1.8	1.5	1.0	18.8	36.5	2.6	39.5	37.4	42.1
Italy	625	27.1	0.2	0.1	0.1	0.5	0.5	31.1	39.2	1.1	27.7	25.7	29.4
Japan	613	33.3	16.7	5.9	0.2	0.3	0.9	18.7	23.6	0.2	56.2	56.9	55.4
Jordan	769	18.4	12.2	10.7	6.6	0.8	1.4	32.3	17.1	0.4	48.0	52.7	43.7
Korea, Rep. of	603	33.4	19.2	2.1	1.2	1.4	4.6	25.1	13.0	0.0	55.9	55.6	56.3
Kuwait	570	14.9	1.8	2.1	3.2	2.9	2.3	35.2	36.0	1.7	22.0	21.5	22.5
Lebanon	537	4.8	6.1	1.6	2.1	0.5	0.8	24.3	55.5	4.3	14.6	12.1	17.6
Lithuania	573	28.0	23.5	1.5	1.3	1.1	4.4	11.4	28.4	0.4	54.3	56.8	51.9
Malaysia	638	20.7	8.8	0.2	0.3	2.9	0.5	35.5	29.5	1.5	30.1	30.5	29.6
Malta	665	18.2	9.4	3.1	3.4	0.1	1.9	28.5	34.3	1.1	34.0	35.6	32.3
Morocco	461	4.3	5.4	10.2	6.1	1.1	0.7	24.9	45.2	2.0	26.0	29.2	22.2
Norway	661	31.9	12.7	1.8	0.9	5.4	1.8	15.6	28.5	1.4	47.3	50.2	44.6
Oman	686	12.8	6.2	11.2	9.3	0.3	4.7	38.5	15.6	1.5	39.5	43.9	34.7
Palestinian Nat'l Auth.	633	13.7	10.9	6.2	3.7	1.0	1.9	40.0	22.3	0.3	34.5	38.5	30.5
Qatar	1011	5.6	2.1	3.3	1.8	1.5	0.5	44.8	39.8	0.7	12.8	16.1	9.6
Romania	602	14.5	12.4	10.0	2.0	1.1	3.4	22.7	33.3	0.6	38.9	37.5	40.4
Russian Federation	626	23.6	14.5	2.3	1.7	1.6	2.4	11.9	39.3	2.6	42.1	40.9	43.4
Saudi Arabia	618	7.2	5.6	4.9	5.1	2.4	3.9	44.9	25.0	1.0	22.8	27.9	18.1
Scotland	569	27.9	19.2	6.1	3.2	0.5	0.6	17.9	23.3	1.1	56.5	55.6	57.3
Serbia	577	16.6	11.8	4.8	0.8	2.2	2.5	14.9	45.0	1.5	33.9	34.3	33.4
Singapore	654	33.8	20.7	2.5	2.9	1.5	0.5	25.6	12.6	0.0	59.8	57.8	61.8
Slovenia	576	31.9	20.0	7.3	3.7	1.9	2.2	21.7	11.3	0.0	62.9	64.1	61.8
Sweden	713	26.6	17.1	1.2	1.0	1.4	0.4	17.7	33.4	1.0	46.0	44.1	47.6
Syrian Arab Republic	662	18.2	4.5	6.0	1.5	9.1	1.6	29.0	28.5	1.7	30.2	28.7	31.7
Thailand	768	18.8	5.5	3.4	2.6	0.6	0.8	39.9	27.4	0.9	30.4	34.4	26.2
Tunisia	585	13.2	7.2	10.1	7.1	0.3	1.7	30.1	28.5	1.7	37.6	34.8	41.0
Turkey	649	15.4	8.6	6.8	3.5	0.3	2.3	29.4	33.6	0.1	34.3	40.7	27.9
Ukraine	629	12.8	8.0	2.2	4.8	2.1	3.3	15.2	50.4	1.2	27.8	25.5	30.6
United States	1054	27.4	23.9	5.2	2.6	1.3	2.2	24.0	13.0	0.5	59.0	57.7	60.2
International Avg.	639	18.6	10.9	4.1	2.9	1.6	1.7	26.1	32.5	1.6	36.5	36.9	36.1
Basque Country, Spain	332	20.6	21.7	7.9	2.5	0.6	1.4	20.1	24.7	0.4	52.8	46.7	58.7
British Columbia, Canada	599	33.5	16.2	2.1	3.6	0.1	1.2	22.3	19.4	1.5	55.5	55.8	55.2
Dubai, UAE	464	22.1	16.3	5.1	3.5	3.7	2.5	23.9	21.4	1.6	46.9	47.4	46.5
Massachusetts, US	281	37.0	25.0	3.8	1.6	0.3	3.0	17.8	10.1	1.3	67.3	61.6	73.1
Minnesota, US	245	32.7	24.6	5.5	2.2	1.3	0.6	24.7	7.8	0.6	65.1	65.1	65.0
Ontario, Canada	485	32.2	18.4	5.1	3.7	0.0	1.9	19.3	17.7	1.7	59.3	57.7	60.9
Quebec, Canada	549	27.6	27.2	3.6	2.5	0.6	0.9	15.0	21.1	1.5	60.9	59.5	62.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S032650D - S11_12D)
 Label: Changes at high elevations/DERIVED
 Type: CR Key: -

COUNTRY	N	20	10	70	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	761	18.2	23.2	30.6	24.3	3.7	41.3	18.2	19.6	16.8
Armenia	664	17.9	15.1	12.4	52.7	1.8	33.0	17.9	20.3	15.2
Australia	583	57.2	24.7	8.5	8.2	1.3	81.9	57.2	53.4	60.5
Bahrain	596	32.6	30.5	18.2	17.7	1.0	63.1	32.6	39.0	26.3
Bosnia and Herzegovina	600	18.6	22.9	26.5	30.0	2.0	41.5	18.6	17.5	19.7
Botswana	604	5.3	18.3	53.5	16.2	6.7	23.6	5.3	7.1	3.4
Bulgaria	433	36.0	22.0	7.5	33.7	0.8	58.0	36.0	38.9	33.3
Chinese Taipei	574	48.3	28.8	6.8	15.9	0.2	77.1	48.3	47.2	49.3
Colombia	695	15.4	25.5	28.0	23.9	7.3	40.9	15.4	10.2	21.4
Cyprus	621	15.6	33.8	20.5	29.7	0.4	49.4	15.6	15.6	15.6
Czech Republic	689	47.1	31.6	10.0	11.2	0.0	78.8	47.1	41.1	53.0
Egypt	944	13.9	30.9	37.1	17.4	0.6	44.8	13.9	16.1	11.8
El Salvador	589	10.7	29.3	22.3	33.4	4.3	40.0	10.7	8.3	13.3
England	585	55.9	27.2	7.3	9.2	0.5	83.1	55.9	51.7	60.5
Georgia	582	6.6	11.6	16.9	59.8	5.1	18.2	6.6	8.8	4.3
Ghana	762	1.9	4.7	33.6	55.9	3.8	6.7	1.9	1.6	2.2
Hong Kong SAR	494	44.3	27.3	8.4	19.5	0.5	71.6	44.3	45.2	43.4
Hungary	593	59.6	27.5	6.0	6.7	0.1	87.1	59.6	59.1	60.1
Indonesia	596	9.7	23.1	38.7	25.7	2.8	32.8	9.7	9.8	9.6
Iran, Islamic Rep. of	579	14.3	22.5	30.9	29.9	2.4	36.8	14.3	12.5	15.9
Israel	461	32.2	30.0	8.2	27.0	2.6	62.2	32.2	28.7	36.4
Italy	625	19.7	38.9	12.1	28.2	1.1	58.6	19.7	14.9	24.2
Japan	613	49.5	27.1	10.0	13.1	0.2	76.7	49.5	49.2	49.9
Jordan	769	34.5	39.6	13.5	11.9	0.4	74.2	34.5	39.6	29.9
Korea, Rep. of	603	48.1	29.4	9.5	13.0	0.0	77.5	48.1	44.2	51.7
Kuwait	570	13.7	33.7	23.8	27.1	1.7	47.4	13.7	13.5	14.0
Lebanon	537	10.0	14.9	21.3	49.4	4.3	24.9	10.0	7.7	13.0
Lithuania	573	41.3	32.7	9.4	16.2	0.4	74.0	41.3	39.6	43.0
Malaysia	638	17.8	33.6	25.4	21.6	1.5	51.4	17.8	15.6	20.3
Malta	665	25.6	33.9	13.6	25.7	1.1	59.6	25.6	24.7	26.7
Morocco	461	20.2	28.6	17.4	31.8	2.0	48.7	20.2	22.8	16.9
Norway	661	40.1	28.7	16.0	13.7	1.4	68.9	40.1	41.4	38.9
Oman	686	29.3	37.7	21.0	10.5	1.5	67.0	29.3	31.3	27.1
Palestinian Nat'l Auth.	633	28.9	27.8	27.4	15.6	0.3	56.7	28.9	30.9	26.8
Qatar	1011	7.3	19.4	38.3	34.4	0.7	26.7	7.3	7.5	7.0
Romania	602	30.7	32.1	15.8	20.9	0.6	62.8	30.7	29.7	31.8
Russian Federation	626	27.8	33.0	9.8	26.9	2.6	60.8	27.8	25.4	30.5
Saudi Arabia	618	15.6	28.2	39.3	15.8	1.0	43.9	15.6	18.3	13.2
Scotland	569	51.3	24.4	6.8	16.3	1.1	75.7	51.3	49.6	52.8
Serbia	577	26.2	22.9	14.9	34.5	1.5	49.1	26.2	26.2	26.2
Singapore	654	54.3	26.0	9.5	10.2	0.0	80.3	54.3	51.2	57.3
Slovenia	576	52.1	33.2	8.7	6.0	0.0	85.3	52.1	53.5	50.8
Sweden	713	40.9	21.4	14.2	22.5	1.0	62.3	40.9	36.1	45.0
Syrian Arab Republic	662	22.7	29.8	28.6	17.2	1.7	52.5	22.7	21.0	24.5
Thailand	768	17.4	39.4	19.2	23.1	0.9	56.8	17.4	19.0	15.8
Tunisia	585	27.6	35.8	16.3	18.6	1.7	63.3	27.6	24.2	31.7
Turkey	649	20.4	46.5	13.4	19.7	0.1	66.9	20.4	24.7	16.1
Ukraine	629	19.8	29.1	16.9	33.1	1.2	48.9	19.8	17.2	22.7
United States	1054	50.4	27.7	11.4	9.8	0.5	78.2	50.4	47.1	53.8
International Avg.	639	28.7	27.9	18.7	23.2	1.6	56.5	28.7	28.1	29.3
Basque Country, Spain	332	45.7	33.6	5.5	14.8	0.4	79.3	45.7	36.3	54.8
British Columbia, Canada	599	50.1	24.6	10.0	13.7	1.5	74.8	50.1	50.3	50.0
Dubai, UAE	464	38.4	30.3	14.2	15.4	1.6	68.8	38.4	36.6	40.3
Massachusetts, US	281	58.0	25.7	7.3	7.7	1.3	83.7	58.0	51.4	64.8
Minnesota, US	245	60.2	20.6	13.3	5.2	0.6	80.8	60.2	60.7	59.8
Ontario, Canada	485	54.1	25.9	5.4	12.8	1.7	80.0	54.1	52.6	55.7
Quebec, Canada	549	55.9	20.1	5.7	16.9	1.5	75.9	55.9	54.6	57.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032514 - S11_13)
 Label: Growth of algae in a lake
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	766	36.5	26.3	18.2	36.5	9.4	3.9	5.7	34.2	38.6
Armenia	665	28.1	9.0	40.7	28.1	7.6	8.9	5.7	30.9	24.8
Australia	583	37.5	20.5	27.7	37.5	11.1	1.3	1.8	38.3	36.8
Bahrain	596	31.8	25.4	24.8	31.8	14.8	1.4	1.9	33.5	30.0
Bosnia and Herzegovina	600	44.9	16.5	24.7	44.9	6.7	4.4	2.7	42.2	47.5
Botswana	604	30.9	19.7	28.3	30.9	7.7	4.1	9.3	31.4	30.4
Bulgaria	433	48.1	17.5	22.6	48.1	9.1	1.5	1.1	50.6	45.9
Chinese Taipei	574	62.2	13.0	11.1	62.2	13.0	0.5	0.2	60.7	63.6
Colombia	694	29.7	12.5	36.9	29.7	8.6	2.9	9.4	27.4	32.4
Cyprus	621	47.5	12.0	25.8	47.5	12.7	0.8	1.2	47.4	47.6
Czech Republic	689	53.7	17.3	22.4	53.7	4.2	1.8	0.5	52.4	55.0
Egypt	944	43.4	13.5	23.1	43.4	17.4	1.3	1.2	41.8	45.0
El Salvador	589	29.2	15.2	33.5	29.2	12.4	3.1	6.6	28.8	29.6
England	585	43.4	21.4	21.9	43.4	11.3	1.4	0.6	38.2	49.2
Georgia	582	64.8	8.1	12.5	64.8	5.3	2.8	6.5	67.6	61.7
Ghana	762	34.9	20.3	24.7	34.9	9.7	3.7	6.6	34.8	35.0
Hong Kong SAR	494	57.5	15.6	9.8	57.5	15.0	1.6	0.5	56.2	58.8
Hungary	593	46.2	18.5	27.0	46.2	5.8	1.3	1.2	45.6	46.7
Indonesia	596	39.3	30.8	15.3	39.3	10.8	0.5	3.3	41.3	36.8
Iran, Islamic Rep. of	579	40.6	14.9	33.8	40.6	5.9	0.3	4.4	41.2	40.0
Israel	461	43.1	15.8	22.3	43.1	12.3	2.4	4.1	48.4	37.4
Italy	623	45.4	11.3	20.3	45.4	19.4	1.4	2.2	40.4	50.1
Japan	613	59.8	16.2	12.8	59.8	10.4	0.4	0.4	58.3	61.3
Jordan	769	45.0	14.7	29.0	45.0	9.3	1.2	0.8	47.5	42.7
Korea, Rep. of	603	51.9	22.1	18.0	51.9	7.6	0.2	0.2	54.2	49.7
Kuwait	570	32.8	22.6	24.3	32.8	15.7	2.1	2.5	32.8	32.8
Lebanon	528	24.0	21.1	29.7	24.0	16.2	3.2	5.8	20.5	28.3
Lithuania	567	47.8	26.3	16.6	47.8	7.6	0.9	0.7	47.5	48.0
Malaysia	638	46.8	23.1	15.4	46.8	11.6	1.1	2.0	44.0	50.0
Malta	665	32.7	18.5	33.7	32.7	11.6	1.5	2.0	30.6	35.0
Morocco	458	38.3	19.4	22.4	38.3	15.8	1.5	2.6	39.0	37.5
Norway	661	53.5	15.3	20.9	53.5	7.4	1.2	1.8	55.1	52.0
Oman	687	38.7	19.8	26.6	38.7	11.5	1.6	1.8	41.9	35.2
Palestinian Nat'l Auth.	633	38.1	21.9	26.0	38.1	12.0	1.2	0.8	39.8	36.5
Qatar	1011	29.1	22.9	31.4	29.1	14.6	1.0	1.1	30.7	27.4
Romania	602	65.0	8.7	19.3	65.0	4.0	1.5	1.5	66.9	62.8
Russian Federation	626	59.0	5.8	24.0	59.0	6.6	1.1	3.5	58.3	59.8
Saudi Arabia	617	34.8	23.3	23.6	34.8	14.5	1.8	2.0	40.9	29.1
Scotland	569	39.3	21.2	22.2	39.3	14.3	1.5	1.6	38.8	39.8
Serbia	571	44.2	13.0	33.2	44.2	5.1	2.7	1.9	43.3	45.2
Singapore	654	58.9	16.3	14.2	58.9	10.0	0.7	0.0	55.5	62.3
Slovenia	576	60.3	9.5	19.0	60.3	10.5	0.5	0.1	56.5	64.2
Sweden	713	61.3	10.7	13.3	61.3	12.0	1.3	1.5	59.4	62.9
Syrian Arab Republic	662	34.1	19.2	30.7	34.1	11.7	1.4	2.9	31.5	36.7
Thailand	768	58.6	16.6	14.1	58.6	9.2	0.4	1.2	57.9	59.3
Tunisia	585	37.1	22.1	22.3	37.1	12.1	2.6	3.8	38.5	35.3
Turkey	649	41.4	17.4	31.8	41.4	7.4	1.2	0.9	44.0	38.7
Ukraine	629	55.1	5.3	26.8	55.1	8.6	2.1	2.1	56.6	53.4
United States	1054	50.6	15.8	21.3	50.6	10.4	1.0	0.9	49.7	51.5
International Avg.	639	44.4	17.2	23.5	44.4	10.6	1.8	2.5	44.3	44.5
Basque Country, Spain	332	39.9	15.3	33.4	39.9	7.9	1.6	1.8	35.1	44.6
British Columbia, Canada	599	38.8	23.6	24.1	38.8	10.7	0.7	2.1	32.9	44.9
Dubai, UAE	464	36.4	21.5	23.9	36.4	14.0	2.0	2.3	36.1	36.7
Massachusetts, US	281	54.9	10.2	21.2	54.9	10.5	0.8	2.4	49.7	60.2
Minnesota, US	245	50.3	17.7	20.7	50.3	9.3	1.0	0.9	52.4	48.3
Ontario, Canada	485	36.0	18.4	27.7	36.0	13.5	1.7	2.8	34.0	38.1
Quebec, Canada	549	57.0	12.8	17.6	57.0	8.9	1.1	2.6	51.8	61.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042042 - S12_01)
 Label: Which organism is a producer
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	84.3	84.3	6.2	2.8	2.4	4.4	0.0	83.4	85.1
Armenia	651	60.6	60.6	8.6	8.3	12.6	8.8	1.1	60.8	60.4
Australia	574	70.7	70.7	7.7	11.0	9.7	0.9	0.0	65.4	75.4
Bahrain	602	75.3	75.3	14.2	2.6	6.5	1.3	0.0	80.8	69.9
Bosnia and Herzegovina	604	90.6	90.6	2.4	4.5	1.7	0.9	0.0	91.9	89.4
Botswana	605	59.0	59.0	13.8	9.5	16.3	1.3	0.0	59.8	58.2
Bulgaria	432	77.6	77.6	6.8	4.3	9.9	1.3	0.1	72.4	82.8
Chinese Taipei	582	83.4	83.4	7.7	5.9	3.0	0.0	0.0	81.5	85.1
Colombia	693	75.9	75.9	13.8	4.5	4.1	1.2	0.4	72.5	79.7
Cyprus	630	54.6	54.6	16.2	12.4	14.5	2.4	0.0	50.3	58.9
Czech Republic	698	74.0	74.0	7.5	10.3	4.8	3.4	0.0	70.3	77.9
Egypt	938	53.8	53.8	26.9	7.5	10.6	1.2	0.0	52.8	54.9
El Salvador	590	55.6	55.6	22.3	8.9	10.7	2.4	0.0	56.7	54.4
England	592	81.0	81.0	3.5	7.0	7.8	0.3	0.4	75.3	86.4
Georgia	596	63.6	63.6	20.7	5.7	6.5	3.0	0.7	77.8	51.6
Ghana	765	45.2	45.2	16.2	25.6	11.0	2.0	0.1	47.3	43.7
Hong Kong SAR	496	80.6	80.6	7.9	6.6	3.7	1.0	0.2	79.3	82.0
Hungary	585	78.4	78.4	3.6	11.6	4.0	2.4	0.0	79.6	77.1
Indonesia	589	70.5	70.5	9.8	7.9	11.0	0.5	0.3	73.0	67.5
Iran, Islamic Rep. of	562	47.9	47.9	23.4	9.7	17.0	2.0	0.0	52.9	43.8
Israel	460	60.9	60.9	12.6	13.7	6.9	5.3	0.6	61.0	60.8
Italy	627	79.9	79.9	6.4	4.4	7.9	1.4	0.0	79.3	80.6
Japan	618	58.7	58.7	19.4	9.8	10.3	1.8	0.0	56.6	61.0
Jordan	758	85.4	85.4	7.0	3.4	3.9	0.3	0.0	90.3	80.8
Korea, Rep. of	606	90.2	90.2	3.4	2.7	3.4	0.3	0.0	86.9	93.2
Kuwait	574	55.8	55.8	27.6	5.4	8.0	2.6	0.7	58.2	52.9
Lebanon	538	67.9	67.9	9.9	13.1	6.3	2.5	0.3	65.3	71.0
Lithuania	579	95.0	95.0	2.3	1.5	0.9	0.3	0.0	95.1	94.9
Malaysia	643	89.5	89.5	3.2	4.9	1.7	0.6	0.0	92.3	86.4
Malta	664	62.4	62.4	12.9	12.0	11.9	0.6	0.2	60.8	64.1
Morocco	344	74.4	74.4	15.3	5.2	2.5	2.7	0.0	74.4	74.3
Norway	663	62.4	62.4	14.2	15.5	4.3	3.4	0.1	66.1	58.7
Oman	682	76.7	76.7	13.1	3.5	5.1	1.3	0.2	82.5	70.4
Palestinian Nat'l Auth.	629	58.4	58.4	22.0	9.3	9.7	0.6	0.0	59.6	57.2
Qatar	1024	49.5	49.5	28.0	12.7	7.2	2.7	0.0	53.8	45.2
Romania	602	60.0	60.0	17.9	7.6	13.6	0.8	0.1	56.2	64.0
Russian Federation	633	57.0	57.0	20.0	11.9	5.7	5.4	0.0	53.4	61.5
Saudi Arabia	609	62.9	62.9	19.7	6.0	10.1	1.4	0.0	69.7	56.7
Scotland	569	72.1	72.1	9.3	6.0	10.5	2.0	0.2	71.9	72.2
Serbia	577	86.3	86.3	4.3	6.5	1.7	1.2	0.0	87.1	85.5
Singapore	656	89.2	89.2	4.5	4.1	2.1	0.1	0.0	89.7	88.8
Slovenia	570	92.5	92.5	0.6	6.1	0.5	0.3	0.0	93.7	91.3
Sweden	719	63.4	63.4	11.7	19.1	3.5	2.3	0.1	60.2	66.2
Syrian Arab Republic	647	83.8	83.8	7.1	3.9	3.5	1.2	0.4	84.1	83.5
Thailand	775	77.0	77.0	10.0	5.6	6.3	0.9	0.2	75.6	78.5
Tunisia	588	84.2	84.2	7.0	4.4	1.8	2.7	0.0	84.5	83.8
Turkey	648	73.5	73.5	12.0	5.4	9.0	0.1	0.0	72.6	74.3
Ukraine	635	45.9	45.9	32.7	11.9	5.8	3.7	0.0	48.2	43.7
United States	1046	78.4	78.4	8.8	5.0	7.1	0.7	0.0	75.0	81.7
International Avg.	638	70.9	70.9	12.3	7.9	6.9	1.8	0.1	71.2	70.8
Basque Country, Spain	326	77.2	77.2	7.8	5.2	8.2	1.5	0.0	74.2	79.6
British Columbia, Canada	606	71.5	71.5	13.0	8.4	5.8	1.0	0.2	69.2	73.8
Dubai, UAE	449	71.7	71.7	11.0	6.6	8.3	1.7	0.6	73.0	70.3
Massachusetts, US	280	83.6	83.6	6.2	4.2	5.2	0.8	0.0	77.6	90.8
Minnesota, US	244	77.0	77.0	10.9	5.1	7.0	0.1	0.0	78.9	75.1
Ontario, Canada	482	72.9	72.9	12.7	5.1	8.2	1.1	0.0	70.0	76.1
Quebec, Canada	544	73.2	73.2	10.8	7.8	6.0	1.6	0.5	66.2	79.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042030 - S12_02)
 Label: What kind of reproduction
 Type: CR Key: -

COUNTRY	N	10	11	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	749	8.1	13.7	11.1	7.4	24.6	35.0	0.1	21.8	26.2	17.6
Armenia	649	22.6	5.1	46.8	7.2	7.9	9.1	1.3	27.7	29.9	25.2
Australia	574	0.4	24.1	54.6	12.8	2.2	6.0	0.0	24.4	24.9	24.0
Bahrain	602	9.9	8.1	42.0	32.0	5.4	2.7	0.0	17.9	26.3	9.8
Bosnia and Herzegovina	604	5.4	10.3	60.7	13.1	6.0	4.5	0.0	15.7	16.2	15.4
Botswana	605	0.5	7.1	33.4	41.0	14.9	3.1	0.0	7.6	8.1	7.1
Bulgaria	432	6.6	15.4	61.5	11.9	0.8	3.7	0.1	22.0	27.2	16.9
Chinese Taipei	582	0.5	36.4	40.3	21.8	0.4	0.7	0.0	36.9	38.5	35.4
Colombia	693	0.6	31.0	47.3	12.9	1.9	5.8	0.5	31.6	28.8	34.8
Cyprus	630	2.0	14.4	30.3	37.2	12.2	3.9	0.0	16.4	20.3	12.4
Czech Republic	698	0.6	32.0	54.4	6.8	4.4	1.8	0.0	32.6	34.8	30.3
Egypt	944	6.4	16.3	43.4	24.7	6.2	3.0	0.0	22.7	26.8	18.5
El Salvador	590	4.7	17.4	50.8	16.2	4.2	6.7	0.0	22.1	22.2	22.0
England	592	2.2	28.9	56.5	8.8	0.2	2.9	0.4	31.1	28.3	33.7
Georgia	596	8.8	4.2	48.1	26.8	1.1	10.3	0.7	13.0	15.1	11.2
Ghana	765	2.0	10.6	34.9	24.5	10.0	17.8	0.2	12.5	7.9	16.1
Hong Kong SAR	496	4.0	25.2	49.0	17.5	1.2	2.8	0.2	29.2	30.1	28.4
Hungary	585	1.2	12.5	36.1	46.1	1.5	2.6	0.0	13.7	13.2	14.3
Indonesia	588	6.9	10.0	29.6	19.5	23.0	10.7	0.3	16.9	18.5	15.0
Iran, Islamic Rep. of	562	1.2	9.5	34.9	48.3	2.4	3.6	0.0	10.7	10.8	10.7
Israel	460	5.6	28.2	43.9	9.4	7.3	5.0	0.6	33.8	37.7	29.4
Italy	629	3.7	27.6	46.6	13.4	3.6	5.1	0.0	31.3	33.2	29.5
Japan	618	3.0	7.2	41.5	44.6	1.5	2.2	0.0	10.2	9.7	10.7
Jordan	758	13.4	6.9	37.2	35.0	4.0	3.4	0.0	20.4	20.5	20.2
Korea, Rep. of	606	0.7	8.7	34.3	52.8	0.4	3.2	0.0	9.4	6.5	12.2
Kuwait	574	7.8	9.6	6.9	20.6	50.2	4.2	0.7	17.4	17.9	16.8
Lebanon	542	1.0	14.5	43.7	27.5	3.3	9.8	0.3	15.5	14.4	16.7
Lithuania	579	0.4	32.8	60.4	4.8	0.0	1.6	0.0	33.2	38.3	28.2
Malaysia	643	3.6	6.0	48.4	31.3	6.3	4.4	0.0	9.6	10.9	8.2
Malta	664	1.2	25.2	46.1	23.8	0.6	3.0	0.2	26.4	28.8	23.9
Morocco	345	2.1	14.4	40.5	35.7	2.7	4.6	0.0	16.5	16.1	16.9
Norway	663	0.2	6.6	54.6	32.2	1.3	4.9	0.1	6.8	8.8	4.8
Oman	682	1.4	13.3	31.9	45.1	5.8	2.3	0.2	14.8	17.8	11.3
Palestinian Nat'l Auth.	629	2.7	8.9	34.5	47.6	3.2	3.2	0.0	11.6	12.0	11.1
Qatar	1024	0.3	2.1	33.8	53.9	4.6	5.0	0.2	2.4	2.3	2.6
Romania	602	3.5	6.0	65.2	12.3	9.1	3.7	0.1	9.5	10.1	8.8
Russian Federation	633	0.4	25.5	61.6	9.2	0.7	2.7	0.0	25.8	29.7	20.9
Saudi Arabia	610	2.3	5.9	38.4	48.0	3.3	2.1	0.0	8.2	10.4	6.2
Scotland	569	0.0	17.3	61.2	17.4	0.5	3.4	0.2	17.3	20.0	14.5
Serbia	581	3.5	12.6	61.0	15.6	1.4	6.1	0.0	16.1	17.6	14.6
Singapore	656	1.9	44.1	43.6	7.9	1.5	1.0	0.0	46.0	50.6	41.7
Slovenia	570	0.2	46.4	40.2	12.4	0.4	0.4	0.0	46.6	51.7	41.4
Sweden	719	0.1	11.9	72.2	11.4	1.0	3.2	0.1	12.0	13.7	10.6
Syrian Arab Republic	647	8.0	13.7	45.6	22.8	6.0	3.4	0.4	21.7	20.8	22.7
Thailand	775	8.6	11.4	58.0	12.7	3.7	5.3	0.2	20.1	22.8	17.3
Tunisia	588	2.2	11.2	36.5	38.4	7.9	3.8	0.0	13.4	15.6	11.0
Turkey	648	2.1	13.0	37.7	40.7	1.4	5.0	0.0	15.1	14.7	15.6
Ukraine	635	0.3	15.9	62.2	5.9	12.5	3.3	0.0	16.1	15.0	17.2
United States	1046	0.5	41.6	45.4	10.4	0.4	1.6	0.1	42.1	42.6	41.6
International Avg.	637	3.6	16.7	44.9	24.1	5.6	5.0	0.1	20.3	21.7	18.9
Basque Country, Spain	326	0.0	41.5	43.1	11.8	0.0	3.6	0.0	41.5	36.8	45.2
British Columbia, Canada	606	3.6	29.0	47.9	11.8	3.0	4.4	0.2	32.7	30.4	34.9
Dubai, UAE	449	5.3	20.8	40.0	22.8	6.6	3.7	0.9	26.0	29.9	21.9
Massachusetts, US	280	1.7	52.5	36.5	9.1	0.0	0.2	0.0	54.2	52.3	56.5
Minnesota, US	244	0.0	51.7	44.5	3.2	0.0	0.6	0.0	51.7	54.3	49.1
Ontario, Canada	482	4.5	23.7	51.1	10.9	2.3	7.7	0.0	28.1	21.8	35.1
Quebec, Canada	544	5.8	30.4	40.8	13.7	3.8	5.0	0.5	36.2	33.5	38.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042003 - S12_03)
 Label: O2-CO2 exchange in an animal skin
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	777	73.2	7.0	73.2	7.2	8.3	4.3	0.1	68.6	77.5
Armenia	654	75.9	6.5	75.9	4.6	5.9	5.8	1.2	78.8	72.7
Australia	574	51.6	12.5	51.6	25.8	9.0	1.2	0.0	52.7	50.6
Bahrain	602	47.4	13.1	47.4	22.1	14.8	2.5	0.0	56.3	38.8
Bosnia and Herzegovina	604	56.3	9.2	56.3	20.3	9.8	4.3	0.0	47.8	63.4
Botswana	605	28.9	26.1	28.9	24.0	19.0	1.9	0.0	30.2	27.6
Bulgaria	432	61.1	9.8	61.1	19.1	7.1	2.8	0.1	62.4	59.9
Chinese Taipei	582	59.3	9.0	59.3	22.7	8.9	0.1	0.0	61.1	57.7
Colombia	693	39.7	17.9	39.7	26.7	12.5	2.6	0.5	32.5	47.9
Cyprus	630	26.5	12.7	26.5	43.4	14.7	2.8	0.0	25.5	27.5
Czech Republic	698	54.4	8.7	54.4	21.3	12.7	2.9	0.0	54.0	54.7
Egypt	940	40.9	20.3	40.9	18.6	18.4	1.8	0.0	42.0	39.8
El Salvador	590	32.8	20.8	32.8	28.1	14.8	3.6	0.0	27.6	38.5
England	592	35.2	20.5	35.2	30.0	13.3	0.5	0.4	32.5	37.7
Georgia	596	63.5	8.2	63.5	15.3	8.5	3.8	0.7	57.8	68.3
Ghana	764	20.4	25.9	20.4	20.0	29.9	3.5	0.3	21.6	19.5
Hong Kong SAR	496	49.3	15.7	49.3	22.5	11.3	0.9	0.2	45.5	53.1
Hungary	585	60.0	9.8	60.0	18.8	9.5	1.8	0.0	58.0	62.0
Indonesia	589	50.2	16.1	50.2	18.4	13.1	1.9	0.3	50.2	50.1
Iran, Islamic Rep. of	562	43.7	18.0	43.7	21.0	15.2	2.0	0.0	47.0	40.9
Israel	460	40.1	18.8	40.1	21.7	12.2	6.6	0.6	38.4	41.9
Italy	628	53.3	10.6	53.3	21.0	12.4	2.7	0.0	49.7	56.8
Japan	618	58.0	10.3	58.0	20.8	10.9	0.0	0.1	62.1	53.4
Jordan	758	32.6	26.1	32.6	21.6	17.0	2.8	0.0	30.2	34.9
Korea, Rep. of	606	67.8	11.5	67.8	14.4	6.2	0.1	0.0	66.3	69.3
Kuwait	574	31.0	16.2	31.0	33.4	14.2	4.3	0.9	28.6	34.0
Lebanon	537	51.5	12.8	51.5	19.2	11.9	4.4	0.3	55.0	47.5
Lithuania	578	73.8	4.6	73.8	10.8	9.2	1.6	0.0	74.6	73.2
Malaysia	643	55.0	7.3	55.0	26.4	10.4	1.0	0.0	53.4	56.7
Malta	665	38.4	14.8	38.4	31.8	13.3	1.5	0.2	35.4	41.6
Morocco	341	39.9	16.2	39.9	24.3	16.2	3.4	0.0	37.0	42.8
Norway	663	29.6	18.6	29.6	30.7	12.8	8.0	0.3	29.2	30.0
Oman	682	34.1	22.7	34.1	26.1	13.7	3.2	0.2	35.9	32.2
Palestinian Nat'l Auth.	629	31.7	19.7	31.7	26.9	20.0	1.8	0.0	31.8	31.6
Qatar	1024	30.2	17.0	30.2	33.2	18.1	1.4	0.2	29.8	30.6
Romania	602	51.7	14.1	51.7	22.9	10.7	0.4	0.1	52.1	51.3
Russian Federation	633	70.6	5.5	70.6	13.7	8.2	2.1	0.0	69.9	71.4
Saudi Arabia	610	28.7	26.0	28.7	24.7	18.9	1.7	0.0	28.3	29.0
Scotland	569	33.9	20.7	33.9	33.3	10.4	1.5	0.2	32.2	35.6
Serbia	579	56.8	9.2	56.8	21.3	9.4	3.3	0.0	54.6	58.9
Singapore	656	69.0	9.5	69.0	16.0	5.5	0.0	0.0	69.0	69.0
Slovenia	570	31.3	23.7	31.3	33.1	9.8	2.1	0.0	29.7	33.0
Sweden	719	45.2	17.4	45.2	23.0	12.5	1.9	0.1	39.6	50.2
Syrian Arab Republic	646	68.6	10.8	68.6	9.9	7.8	2.5	0.4	68.3	68.9
Thailand	775	38.6	17.2	38.6	20.2	21.8	2.0	0.2	40.2	37.0
Tunisia	588	73.9	4.1	73.9	8.1	6.7	7.2	0.0	71.1	77.0
Turkey	648	37.1	21.1	37.1	19.5	19.4	2.7	0.2	37.5	36.7
Ukraine	635	54.0	7.7	54.0	28.7	8.5	1.2	0.0	51.1	56.7
United States	1046	45.0	20.3	45.0	21.9	12.1	0.6	0.1	41.0	49.0
International Avg.	638	47.8	14.7	47.8	22.2	12.6	2.5	0.2	46.8	48.7
Basque Country, Spain	326	46.1	12.8	46.1	25.5	12.0	3.7	0.0	48.3	44.3
British Columbia, Canada	606	39.4	29.8	39.4	19.1	9.9	1.7	0.2	34.7	44.0
Dubai, UAE	449	40.1	13.5	40.1	28.4	12.3	4.8	0.9	39.0	41.4
Massachusetts, US	280	49.2	17.3	49.2	20.6	11.1	1.9	0.0	50.5	47.5
Minnesota, US	244	54.7	12.8	54.7	20.1	11.9	0.6	0.0	54.6	54.8
Ontario, Canada	482	42.9	16.5	42.9	23.9	14.2	2.5	0.0	38.4	47.8
Quebec, Canada	544	47.9	17.2	47.9	23.4	8.8	2.2	0.5	46.4	49.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S042110 - S12_04)
 Label: Which nails rusted most
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	777	68.4	6.8	15.7	5.9	68.4	3.1	0.1	65.2	71.5
Armenia	654	79.2	4.9	4.5	5.3	79.2	4.9	1.2	79.0	79.5
Australia	574	79.1	3.9	10.3	6.3	79.1	0.5	0.0	78.2	79.9
Bahrain	602	58.4	7.6	25.0	8.7	58.4	0.3	0.0	60.9	56.0
Bosnia and Herzegovina	604	83.0	4.3	4.9	6.0	83.0	1.8	0.0	81.7	84.1
Botswana	605	47.8	10.1	32.6	9.1	47.8	0.4	0.0	45.6	50.1
Bulgaria	432	77.8	5.4	11.1	2.9	77.8	2.7	0.1	79.0	76.5
Chinese Taipei	582	84.7	2.9	9.9	2.0	84.7	0.5	0.0	83.9	85.5
Colombia	693	74.4	9.7	8.2	6.1	74.4	1.0	0.6	69.6	79.8
Cyprus	630	56.8	10.1	20.3	11.9	56.8	0.9	0.0	52.4	61.4
Czech Republic	698	88.4	1.5	6.0	3.8	88.4	0.4	0.0	90.5	86.1
Egypt	943	66.5	7.9	15.4	9.1	66.5	1.2	0.0	68.3	64.6
El Salvador	590	64.9	5.5	18.9	9.8	64.9	1.0	0.0	58.8	71.7
England	592	79.9	3.8	9.8	5.6	79.9	0.6	0.4	76.4	83.1
Georgia	596	69.2	11.9	7.5	8.4	69.2	2.3	0.7	71.2	67.4
Ghana	764	53.2	8.8	25.0	11.7	53.2	1.0	0.3	51.8	54.2
Hong Kong SAR	496	75.2	8.6	10.8	5.2	75.2	0.0	0.2	74.6	75.7
Hungary	585	76.5	4.7	8.5	9.8	76.5	0.5	0.0	77.0	76.0
Indonesia	589	55.9	6.3	27.2	10.2	55.9	0.1	0.3	47.8	65.3
Iran, Islamic Rep. of	562	73.0	6.6	8.2	11.9	73.0	0.3	0.0	74.0	72.2
Israel	460	73.4	6.4	13.4	5.2	73.4	0.7	1.0	72.5	74.5
Italy	628	79.2	4.9	9.7	5.1	79.2	1.0	0.1	82.8	75.7
Japan	618	78.3	5.5	12.2	3.8	78.3	0.2	0.1	79.9	76.6
Jordan	758	77.3	8.9	8.4	4.8	77.3	0.6	0.0	81.1	73.7
Korea, Rep. of	606	76.7	5.8	9.4	7.9	76.7	0.1	0.0	75.3	78.0
Kuwait	574	58.1	7.8	19.3	12.4	58.1	1.4	1.1	60.7	55.0
Lebanon	537	58.0	11.1	14.8	14.4	58.0	1.4	0.3	53.1	63.5
Lithuania	577	88.3	2.5	4.1	4.4	88.3	0.7	0.0	88.6	88.0
Malaysia	643	80.3	7.5	7.9	4.1	80.3	0.2	0.0	76.4	84.6
Malta	663	68.5	2.7	21.0	6.6	68.5	1.1	0.2	66.3	70.7
Morocco	346	64.3	7.1	14.9	12.0	64.3	1.0	0.7	67.1	61.4
Norway	462	79.2	2.0	8.7	5.3	79.2	4.8	0.0	78.1	80.4
Oman	682	45.6	9.6	31.5	11.2	45.6	1.9	0.2	46.7	44.4
Palestinian Nat'l Auth.	629	54.8	14.5	16.1	14.0	54.8	0.6	0.0	56.9	52.6
Qatar	1024	39.5	11.7	32.9	15.0	39.5	0.7	0.2	41.9	37.2
Romania	602	84.5	4.1	6.2	4.4	84.5	0.6	0.1	84.4	84.6
Russian Federation	633	89.8	1.1	3.9	4.7	89.8	0.5	0.0	90.5	88.8
Saudi Arabia	609	53.7	9.8	22.9	13.5	53.7	0.1	0.0	56.3	51.4
Scotland	569	74.8	4.4	14.0	5.9	74.8	0.6	0.2	73.3	76.3
Serbia	580	82.6	6.7	6.3	3.5	82.6	1.0	0.0	81.5	83.6
Singapore	656	79.7	6.8	9.2	4.1	79.7	0.2	0.0	81.1	78.4
Slovenia	570	84.2	2.7	7.1	4.9	84.2	1.1	0.0	86.7	81.6
Sweden	719	82.3	2.1	6.5	7.5	82.3	1.4	0.1	85.7	79.2
Syrian Arab Republic	647	56.9	17.7	11.3	11.1	56.9	2.4	0.4	53.0	61.2
Thailand	775	75.9	4.7	11.4	7.2	75.9	0.5	0.2	75.7	76.2
Tunisia	588	66.0	8.3	11.4	8.9	66.0	5.4	0.0	67.0	64.9
Turkey	648	58.0	10.3	16.3	15.2	58.0	0.0	0.2	59.5	56.7
Ukraine	635	85.6	3.2	5.8	4.5	85.6	0.9	0.0	84.5	86.6
United States	1046	75.0	5.8	13.7	4.8	75.0	0.7	0.1	75.5	74.4
International Avg.	634	71.1	6.7	13.3	7.7	71.1	1.1	0.2	70.8	71.4
Basque Country, Spain	326	70.8	8.0	10.4	10.6	70.8	0.2	0.0	68.2	72.8
British Columbia, Canada	606	79.7	2.5	11.5	5.6	79.7	0.5	0.2	81.9	77.5
Dubai, UAE	449	59.9	11.8	18.5	6.6	59.9	2.2	0.9	59.6	60.2
Massachusetts, US	280	78.4	4.2	14.4	1.9	78.4	1.1	0.0	82.1	74.0
Minnesota, US	244	73.1	3.7	18.7	4.6	73.1	0.0	0.0	78.0	68.2
Ontario, Canada	482	78.5	2.4	12.3	5.5	78.5	1.2	0.0	79.2	77.8
Quebec, Canada	544	81.0	2.3	11.0	4.4	81.0	0.7	0.5	84.6	77.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042222A - S12_05A)
 Label: Life cycle stage monarch grows
 Type: CR Key: -

COUNTRY	N	10	19	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	741	11.3	3.1	18.0	47.5	20.1	0.1	14.4	17.1	11.8
Armenia	654	14.9	2.9	13.4	18.5	49.0	1.3	17.8	18.3	17.2
Australia	574	27.2	0.0	13.2	49.1	10.4	0.0	27.3	24.0	30.1
Bahrain	602	15.6	0.7	11.2	57.9	14.4	0.0	16.4	17.3	15.5
Bosnia and Herzegovina	604	3.7	0.7	4.9	37.3	53.4	0.0	4.4	4.1	4.6
Botswana	605	1.6	0.0	8.0	78.3	12.1	0.0	1.6	1.5	1.6
Bulgaria	432	14.6	0.0	1.0	41.8	42.2	0.3	14.6	16.0	13.2
Chinese Taipei	582	8.8	1.0	9.6	65.5	15.2	0.0	9.8	11.2	8.5
Colombia	693	9.4	0.0	14.3	59.1	16.5	0.7	9.4	5.6	13.8
Cyprus	630	5.9	2.0	5.4	57.4	29.4	0.0	7.9	8.3	7.5
Czech Republic	698	27.7	0.0	15.0	37.3	20.0	0.0	27.7	27.0	28.5
Egypt	944	4.0	0.4	7.9	65.4	22.2	0.1	4.4	5.0	3.7
El Salvador	590	5.6	0.0	7.3	56.4	30.5	0.1	5.6	4.0	7.4
England	592	17.9	0.0	25.0	46.7	10.0	0.4	17.9	14.9	20.8
Georgia	596	2.8	0.5	4.3	28.6	63.1	0.8	3.3	3.7	2.9
Ghana	764	2.6	0.0	2.6	59.7	34.8	0.3	2.6	2.3	2.9
Hong Kong SAR	496	14.6	0.4	14.3	49.0	21.5	0.2	15.0	12.9	17.0
Hungary	585	34.1	0.0	21.5	34.8	9.5	0.0	34.1	31.6	36.7
Indonesia	589	6.4	0.8	11.3	67.9	13.3	0.3	7.2	7.9	6.3
Iran, Islamic Rep. of	562	13.1	3.6	12.8	49.5	21.0	0.0	16.7	16.0	17.2
Israel	460	17.3	1.0	9.5	46.5	24.8	1.0	18.3	18.5	18.0
Italy	629	18.7	0.7	15.8	41.6	23.1	0.1	19.4	17.0	21.7
Japan	618	45.4	0.0	24.9	25.9	3.8	0.1	45.4	47.5	43.0
Jordan	758	9.4	4.2	5.9	69.0	11.2	0.2	13.6	16.0	11.4
Korea, Rep. of	606	19.0	0.0	24.1	45.9	10.9	0.0	19.0	15.3	22.6
Kuwait	574	10.9	3.3	6.5	55.3	22.9	1.1	14.2	16.9	10.9
Lebanon	542	4.3	1.2	7.7	52.4	33.9	0.4	5.5	4.5	6.7
Lithuania	579	18.1	0.3	14.9	54.6	12.1	0.0	18.4	18.0	18.8
Malaysia	643	11.6	1.2	13.4	62.4	11.4	0.0	12.8	11.6	14.2
Malta	665	16.2	0.1	15.1	45.8	22.5	0.3	16.3	16.8	15.8
Morocco	345	5.2	3.9	12.2	57.4	20.6	0.7	9.1	5.4	12.8
Norway	663	21.1	0.0	9.8	49.5	19.3	0.3	21.1	24.4	17.8
Oman	682	9.5	0.7	6.6	73.5	9.4	0.3	10.1	11.6	8.5
Palestinian Nat'l Auth.	629	4.9	1.7	7.7	71.6	14.2	0.0	6.5	6.8	6.2
Qatar	1024	2.2	0.2	7.4	60.1	30.0	0.2	2.4	2.9	1.8
Romania	602	10.3	0.3	4.4	51.1	33.8	0.1	10.6	11.2	10.0
Russian Federation	633	18.1	0.0	21.0	41.9	19.0	0.0	18.1	15.3	21.8
Saudi Arabia	610	2.5	1.8	9.1	73.6	13.0	0.0	4.3	5.8	2.9
Scotland	569	13.0	0.0	24.1	44.2	18.5	0.2	13.0	13.9	12.2
Serbia	581	5.7	0.0	7.5	36.2	50.7	0.0	5.7	6.5	5.0
Singapore	656	49.4	0.1	19.8	27.1	3.5	0.0	49.6	52.3	47.1
Slovenia	570	25.4	0.1	11.6	50.9	12.0	0.0	25.5	26.7	24.4
Sweden	719	22.6	0.0	5.0	47.1	25.2	0.1	22.6	22.9	22.3
Syrian Arab Republic	647	10.9	6.2	3.7	64.6	14.1	0.4	17.1	16.9	17.3
Thailand	775	18.2	5.4	12.9	52.1	11.2	0.2	23.6	24.9	22.2
Tunisia	589	8.9	0.9	14.8	66.2	9.2	0.0	9.9	10.0	9.7
Turkey	648	5.3	0.4	6.8	55.9	31.2	0.2	5.8	5.4	6.1
Ukraine	635	2.3	3.0	17.5	54.5	22.6	0.0	5.4	4.2	6.5
United States	1046	37.3	0.5	21.0	35.7	5.4	0.1	37.8	37.2	38.4
International Avg.	637	14.0	1.1	11.9	51.4	21.4	0.2	15.1	15.0	15.2
Basque Country, Spain	326	7.2	0.0	18.5	48.5	25.8	0.0	7.2	2.9	10.6
British Columbia, Canada	606	32.9	0.0	13.4	43.6	9.9	0.2	32.9	35.0	30.9
Dubai, UAE	449	20.8	1.4	10.2	50.6	16.0	1.1	22.1	20.9	23.4
Massachusetts, US	280	45.0	0.3	19.4	29.9	5.4	0.0	45.2	48.2	41.7
Minnesota, US	244	46.5	0.0	24.3	27.9	1.3	0.0	46.5	48.6	44.5
Ontario, Canada	482	34.2	0.7	12.2	42.0	10.8	0.0	35.0	30.2	40.3
Quebec, Canada	544	27.5	0.5	15.3	43.9	12.2	0.5	28.0	29.5	26.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042222B - S12_05B)
 Label: Life cycle stage monarch develops
 Type: CR Key: -

COUNTRY	N	10	11	19	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	726	8.9	11.5	2.0	49.5	27.9	0.2	22.4	24.2	20.6
Armenia	654	10.2	1.2	10.1	18.6	58.5	1.3	21.6	22.9	20.1
Australia	574	6.1	28.8	0.2	51.8	13.2	0.0	35.0	35.9	34.2
Bahrain	602	14.4	10.5	3.1	54.9	17.0	0.0	28.0	29.4	26.6
Bosnia and Herzegovina	604	2.9	3.9	0.5	38.2	54.5	0.0	7.3	7.2	7.4
Botswana	605	1.4	2.8	0.0	81.7	14.1	0.0	4.2	5.5	2.8
Bulgaria	432	11.5	2.5	0.4	38.2	47.1	0.3	14.4	15.4	13.4
Chinese Taipei	582	1.1	11.8	1.8	66.4	18.9	0.0	14.7	14.9	14.6
Colombia	693	7.0	14.8	0.2	56.7	20.1	1.2	22.1	15.2	29.7
Cyprus	630	2.0	11.5	2.6	49.0	34.9	0.0	16.1	17.6	14.6
Czech Republic	698	5.0	22.2	0.2	48.2	24.4	0.0	27.3	25.6	29.1
Egypt	945	1.3	4.2	0.5	67.9	26.0	0.1	6.0	4.7	7.3
El Salvador	590	3.4	6.2	0.2	53.4	36.6	0.1	9.9	7.6	12.3
England	592	7.3	26.5	0.0	52.0	13.8	0.4	33.8	29.4	37.9
Georgia	596	2.3	0.2	0.4	25.4	70.8	0.9	3.0	3.2	2.8
Ghana	764	1.3	1.8	0.0	51.1	45.3	0.5	3.2	2.4	3.8
Hong Kong SAR	496	3.9	21.5	0.0	48.4	25.7	0.5	25.4	26.1	24.7
Hungary	585	7.0	37.0	0.7	46.1	9.3	0.0	44.6	45.9	43.3
Indonesia	589	6.1	4.5	0.6	68.1	20.4	0.3	11.1	11.5	10.7
Iran, Islamic Rep. of	562	4.5	13.7	5.4	43.4	33.1	0.0	23.5	25.7	21.7
Israel	460	10.3	16.9	0.0	42.6	28.9	1.2	27.3	24.5	30.3
Italy	628	4.3	17.8	0.6	48.3	28.8	0.1	22.7	21.4	24.0
Japan	618	7.9	41.2	0.0	45.8	4.9	0.3	49.1	49.8	48.3
Jordan	758	10.8	5.0	1.2	69.0	13.7	0.2	17.1	21.8	12.6
Korea, Rep. of	606	3.7	29.1	0.0	49.3	17.9	0.0	32.8	32.3	33.3
Kuwait	573	4.5	2.7	2.2	62.0	27.6	1.1	9.3	13.1	4.8
Lebanon	542	2.0	5.0	5.1	43.0	44.3	0.6	12.0	10.5	13.8
Lithuania	579	7.0	14.7	0.1	63.8	14.4	0.0	21.8	19.6	24.0
Malaysia	644	4.8	13.3	2.3	62.9	16.7	0.0	20.4	17.8	23.3
Malta	665	3.1	20.6	0.3	45.8	29.9	0.3	24.0	25.9	22.0
Morocco	346	1.1	1.4	3.7	62.1	31.0	0.7	6.2	5.3	7.0
Norway	663	8.1	22.8	0.0	43.2	25.4	0.5	30.9	33.2	28.5
Oman	682	7.2	8.3	1.2	70.6	12.3	0.5	16.6	19.9	13.0
Palestinian Nat'l Auth.	627	2.1	3.4	1.2	76.1	17.1	0.0	6.7	6.5	7.0
Qatar	1024	0.7	4.0	0.2	61.2	33.6	0.3	4.9	6.0	3.8
Romania	602	4.8	4.0	0.3	52.5	38.1	0.1	9.2	8.8	9.6
Russian Federation	633	7.7	15.2	0.3	53.0	23.7	0.0	23.3	19.9	27.7
Saudi Arabia	610	2.7	3.3	1.0	76.9	16.0	0.0	7.1	10.2	4.3
Scotland	569	4.2	23.5	0.0	47.6	24.5	0.2	27.8	32.0	23.5
Serbia	581	1.5	3.8	0.2	34.6	59.9	0.0	5.5	5.9	5.1
Singapore	656	11.3	51.8	0.2	31.1	5.7	0.0	63.3	67.8	58.9
Slovenia	570	8.2	26.3	0.4	49.8	15.3	0.0	34.9	35.1	34.8
Sweden	719	4.4	25.5	0.0	41.9	27.9	0.3	29.9	30.8	29.1
Syrian Arab Republic	647	2.5	9.0	4.8	62.0	21.3	0.4	16.3	16.7	15.8
Thailand	775	10.3	18.5	0.5	58.4	11.8	0.5	29.3	28.7	29.9
Tunisia	589	6.5	13.7	1.7	64.2	13.7	0.3	21.9	23.9	19.6
Turkey	648	1.5	4.4	1.9	57.3	34.7	0.2	7.8	5.8	9.6
Ukraine	635	0.8	5.1	20.5	42.4	31.2	0.0	26.4	25.6	27.1
United States	1046	10.9	37.8	0.0	43.9	7.2	0.1	48.8	49.3	48.2
International Avg.	637	5.4	14.0	1.6	52.5	26.3	0.3	21.0	21.2	20.7
Basque Country, Spain	326	1.7	26.9	0.4	41.9	29.1	0.0	28.9	23.0	33.6
British Columbia, Canada	606	12.6	31.3	0.0	42.6	13.3	0.2	43.9	46.3	41.4
Dubai, UAE	449	9.1	17.3	1.9	47.7	22.9	1.1	28.2	26.7	29.8
Massachusetts, US	280	10.3	48.2	0.0	34.4	7.1	0.0	58.5	60.1	56.6
Minnesota, US	244	13.8	48.2	0.0	36.3	1.7	0.0	62.0	64.7	59.3
Ontario, Canada	482	14.0	29.9	2.3	37.7	16.1	0.0	46.1	40.0	52.9
Quebec, Canada	544	11.2	30.5	0.5	40.0	17.3	0.5	42.2	47.7	37.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042222C - S12_05C)
 Label: Advantage for viceroy butterfly
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	39.1	20.8	39.1	25.3	9.7	4.9	0.2	39.7	38.6
Armenia	654	43.0	12.8	43.0	10.8	7.3	24.7	1.4	45.6	40.2
Australia	574	81.3	6.1	81.3	3.8	6.0	2.5	0.2	83.0	79.8
Bahrain	602	48.6	19.5	48.6	23.2	7.1	1.7	0.0	49.4	47.7
Bosnia and Herzegovina	604	55.4	17.1	55.4	13.7	5.2	8.7	0.0	54.8	55.9
Botswana	605	38.1	30.6	38.1	17.4	10.8	3.1	0.1	39.2	36.9
Bulgaria	432	51.6	11.5	51.6	11.5	11.0	14.1	0.3	52.2	51.0
Chinese Taipei	582	60.5	7.4	60.5	8.7	22.5	0.9	0.0	70.2	51.9
Colombia	693	64.5	17.8	64.5	7.0	7.7	1.8	1.3	63.6	65.5
Cyprus	630	63.6	8.3	63.6	17.8	7.1	3.2	0.0	62.6	64.6
Czech Republic	698	69.0	8.0	69.0	12.3	7.7	3.0	0.0	74.9	62.7
Egypt	941	32.5	27.3	32.5	28.4	10.0	1.8	0.1	29.7	35.4
El Salvador	590	55.5	20.3	55.5	12.9	8.5	2.7	0.1	57.9	52.7
England	592	80.1	4.9	80.1	6.1	6.8	1.7	0.4	76.6	83.4
Georgia	596	50.4	17.4	50.4	10.4	11.1	9.9	0.9	59.6	42.7
Ghana	765	34.3	35.0	34.3	15.8	11.4	2.9	0.6	35.2	33.7
Hong Kong SAR	496	50.6	6.5	50.6	20.4	20.6	1.4	0.5	53.6	47.7
Hungary	585	81.9	1.8	81.9	9.6	5.1	1.7	0.0	81.7	82.1
Indonesia	589	54.6	8.3	54.6	23.5	11.5	1.9	0.3	51.6	58.1
Iran, Islamic Rep. of	562	41.1	18.1	41.1	24.2	13.3	3.3	0.0	47.2	36.0
Israel	460	65.1	7.8	65.1	13.7	7.4	4.8	1.2	67.6	62.3
Italy	625	74.5	7.0	74.5	8.9	5.6	3.9	0.1	75.2	73.9
Japan	618	67.3	9.7	67.3	7.2	14.1	1.5	0.3	72.0	62.1
Jordan	758	56.9	16.4	56.9	15.9	9.5	1.1	0.2	54.3	59.4
Korea, Rep. of	606	83.2	4.7	83.2	4.0	8.1	0.0	0.0	83.3	83.1
Kuwait	573	51.6	14.0	51.6	20.0	8.9	4.2	1.3	55.4	46.9
Lebanon	534	31.7	17.7	31.7	24.2	12.1	13.6	0.7	30.3	33.2
Lithuania	577	76.0	4.5	76.0	6.4	11.4	1.6	0.0	75.9	76.1
Malaysia	644	57.7	17.5	57.7	15.5	8.2	1.1	0.0	57.5	57.8
Malta	665	61.9	14.7	61.9	13.1	7.4	2.6	0.3	62.0	61.9
Morocco	344	38.6	22.3	38.6	27.0	8.5	2.9	0.7	38.9	38.3
Norway	663	64.7	5.7	64.7	10.8	14.9	3.4	0.5	66.2	63.2
Oman	683	41.2	20.8	41.2	22.4	13.3	1.7	0.7	43.4	38.7
Palestinian Nat'l Auth.	627	39.2	21.9	39.2	25.3	11.6	2.0	0.0	37.7	40.7
Qatar	1024	39.9	20.7	39.9	25.6	11.0	2.5	0.3	39.8	40.0
Romania	601	65.3	9.3	65.3	14.5	7.9	2.8	0.1	66.5	64.0
Russian Federation	633	65.0	12.0	65.0	9.8	9.9	3.2	0.0	66.2	63.5
Saudi Arabia	610	40.8	24.1	40.8	25.9	8.6	0.7	0.0	41.1	40.6
Scotland	569	67.9	8.6	67.9	13.5	6.0	3.8	0.2	71.6	64.3
Serbia	577	41.0	19.6	41.0	17.7	9.2	12.5	0.0	40.3	41.7
Singapore	656	81.6	6.1	81.6	7.4	4.6	0.3	0.0	82.1	81.1
Slovenia	570	66.9	10.3	66.9	11.2	8.5	3.1	0.0	64.0	69.8
Sweden	719	64.0	10.2	64.0	13.9	8.6	3.0	0.3	64.5	63.6
Syrian Arab Republic	647	51.2	18.1	51.2	19.7	9.2	1.4	0.4	49.2	53.3
Thailand	775	40.2	18.3	40.2	22.6	15.7	2.6	0.5	41.5	38.9
Tunisia	589	47.8	15.5	47.8	24.4	5.9	6.1	0.3	44.9	51.1
Turkey	648	53.6	20.2	53.6	14.3	8.8	2.9	0.2	56.4	50.9
Ukraine	635	70.0	5.1	70.0	8.7	11.8	4.5	0.0	70.7	69.4
United States	1046	76.8	4.8	76.8	7.8	9.3	1.2	0.1	76.1	77.5
International Avg.	638	56.7	14.0	56.7	15.4	9.7	3.9	0.3	57.6	55.8
Basque Country, Spain	326	78.0	6.7	78.0	8.9	4.6	1.9	0.0	80.2	76.2
British Columbia, Canada	606	76.3	4.5	76.3	7.4	9.2	2.4	0.2	79.4	73.3
Dubai, UAE	449	62.5	13.7	62.5	10.6	8.7	3.5	1.1	62.7	62.4
Massachusetts, US	280	83.1	3.0	83.1	6.6	6.3	1.0	0.0	78.3	88.8
Minnesota, US	244	81.0	3.6	81.0	7.7	7.3	0.5	0.0	85.5	76.7
Ontario, Canada	482	74.3	5.1	74.3	7.7	11.5	1.5	0.0	73.9	74.7
Quebec, Canada	544	74.7	3.8	74.7	8.5	10.5	1.9	0.5	75.1	74.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S042065 - S12_06)
 Label: Good conductor of heat-electricity
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	64.7	7.7	9.7	64.7	14.8	2.6	0.6	57.7	71.4
Armenia	653	73.3	11.8	3.8	73.3	2.5	7.1	1.5	74.0	72.5
Australia	574	77.0	10.5	5.4	77.0	5.6	1.3	0.2	66.6	86.2
Bahrain	602	84.6	4.5	6.6	84.6	4.1	0.2	0.0	86.2	83.1
Bosnia and Herzegovina	604	78.0	11.9	4.2	78.0	4.9	1.0	0.0	73.3	82.0
Botswana	605	65.0	17.6	10.0	65.0	6.9	0.5	0.1	62.2	68.0
Bulgaria	432	81.7	11.1	2.3	81.7	3.0	1.6	0.3	79.8	83.6
Chinese Taipei	582	92.9	2.7	2.6	92.9	1.9	0.0	0.0	93.4	92.5
Colombia	693	67.0	14.5	6.4	67.0	9.9	0.8	1.4	59.3	75.6
Cyprus	630	73.2	10.7	6.5	73.2	8.9	0.8	0.0	71.9	74.5
Czech Republic	698	87.0	8.4	2.5	87.0	1.5	0.7	0.0	82.7	91.6
Egypt	941	80.8	6.3	6.7	80.8	5.5	0.6	0.1	79.8	81.8
El Salvador	590	54.2	19.8	10.9	54.2	14.1	0.7	0.3	44.7	64.8
England	592	90.5	3.2	3.2	90.5	2.2	0.5	0.4	89.2	91.6
Georgia	596	53.7	14.9	5.5	53.7	21.8	3.1	0.9	59.1	49.2
Ghana	764	61.0	15.7	10.7	61.0	10.9	1.1	0.6	51.1	68.6
Hong Kong SAR	496	92.4	3.8	1.7	92.4	1.4	0.2	0.5	92.2	92.6
Hungary	585	85.1	5.3	8.3	85.1	0.9	0.4	0.0	80.2	90.1
Indonesia	589	76.0	9.7	4.6	76.0	8.4	1.0	0.3	74.8	77.5
Iran, Islamic Rep. of	562	75.2	10.2	5.0	75.2	9.5	0.2	0.0	70.1	79.4
Israel	460	80.5	8.1	5.3	80.5	4.7	0.2	1.2	79.7	81.3
Italy	625	74.1	16.0	6.5	74.1	3.1	0.3	0.1	65.1	82.8
Japan	618	89.2	5.2	3.9	89.2	1.3	0.1	0.3	89.9	88.3
Jordan	758	94.3	1.3	1.3	94.3	1.9	0.9	0.2	94.7	94.0
Korea, Rep. of	606	87.7	3.6	6.7	87.7	2.1	0.0	0.0	87.3	88.0
Kuwait	574	78.6	3.8	11.1	78.6	3.8	1.4	1.3	78.1	79.2
Lebanon	537	66.0	18.6	5.2	66.0	9.1	0.5	0.7	61.4	71.1
Lithuania	578	70.4	21.2	4.0	70.4	4.0	0.3	0.0	60.9	79.6
Malaysia	644	88.0	5.1	3.5	88.0	3.3	0.2	0.0	87.4	88.6
Malta	664	66.7	16.2	7.2	66.7	8.4	1.0	0.5	59.7	74.0
Morocco	344	80.1	7.6	6.0	80.1	3.9	1.5	0.9	78.1	82.2
Norway	663	69.6	13.7	8.5	69.6	7.0	0.7	0.5	65.2	74.0
Oman	683	80.7	3.7	9.9	80.7	4.1	0.9	0.7	84.0	77.1
Palestinian Nat'l Auth.	629	86.7	4.2	4.4	86.7	3.9	0.8	0.0	86.2	87.2
Qatar	1024	64.6	11.3	11.1	64.6	12.0	0.6	0.4	68.4	60.7
Romania	601	73.5	22.4	1.1	73.5	1.9	1.0	0.1	66.5	80.9
Russian Federation	633	83.3	12.2	3.3	83.3	1.2	0.0	0.0	78.9	88.9
Saudi Arabia	609	70.9	9.5	13.3	70.9	5.7	0.6	0.0	67.0	74.4
Scotland	569	80.8	6.2	7.9	80.8	4.1	0.9	0.2	80.2	81.4
Serbia	579	75.8	12.9	5.7	75.8	5.5	0.1	0.0	69.9	81.5
Singapore	656	93.8	2.3	2.0	93.8	1.8	0.2	0.0	93.3	94.2
Slovenia	570	84.4	8.3	3.3	84.4	4.1	0.0	0.0	80.8	88.0
Sweden	719	84.1	8.6	2.7	84.1	3.3	0.7	0.5	80.8	87.2
Syrian Arab Republic	647	78.8	7.6	7.6	78.8	4.3	1.2	0.4	74.9	83.0
Thailand	775	93.0	3.9	1.8	93.0	0.7	0.2	0.5	94.8	91.0
Tunisia	588	88.3	2.5	3.1	88.3	3.6	2.1	0.5	85.6	91.2
Turkey	648	71.1	5.1	8.0	71.1	15.3	0.2	0.2	63.5	78.2
Ukraine	635	51.3	16.2	2.9	51.3	28.2	1.3	0.0	46.4	55.9
United States	1046	73.5	13.8	5.5	73.5	6.4	0.6	0.1	66.5	80.5
International Avg.	638	77.4	9.6	5.7	77.4	6.1	0.9	0.3	74.4	80.4
Basque Country, Spain	326	75.4	6.7	10.2	75.4	7.2	0.5	0.0	66.2	82.6
British Columbia, Canada	606	68.2	20.0	4.3	68.2	6.0	1.2	0.2	61.7	74.7
Dubai, UAE	449	81.8	7.4	4.5	81.8	3.8	1.4	1.1	82.1	81.5
Massachusetts, US	280	82.4	7.7	3.7	82.4	5.1	1.1	0.0	80.3	84.8
Minnesota, US	244	66.1	22.4	4.1	66.1	7.4	0.0	0.0	61.2	70.9
Ontario, Canada	482	61.6	24.5	4.7	61.6	8.1	1.2	0.0	55.1	68.7
Quebec, Canada	544	53.5	33.8	5.6	53.5	4.7	1.9	0.5	48.7	58.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Reasoning (S042280 - S12_07)
 Label: Relative speed of sound
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	777	31.3	21.0	20.8	20.1	31.3	6.2	0.6	33.0	29.7
Armenia	649	36.8	12.2	19.7	12.4	36.8	16.9	1.9	36.5	37.2
Australia	574	59.3	13.6	11.7	13.3	59.3	2.0	0.2	53.8	64.2
Bahrain	602	41.5	18.4	22.3	15.9	41.5	2.0	0.0	43.7	39.3
Bosnia and Herzegovina	604	44.5	18.6	18.5	12.7	44.5	5.6	0.0	44.7	44.4
Botswana	605	33.4	18.7	28.6	18.3	33.4	0.8	0.1	32.7	34.1
Bulgaria	432	57.5	12.2	15.2	9.1	57.5	5.6	0.3	65.8	49.1
Chinese Taipei	582	65.2	8.2	17.1	9.1	65.2	0.4	0.0	65.7	64.7
Colombia	693	43.2	21.8	14.9	15.7	43.2	3.0	1.4	41.5	45.0
Cyprus	630	47.1	19.9	18.5	13.2	47.1	1.3	0.0	48.8	45.3
Czech Republic	698	72.6	9.2	9.4	5.3	72.6	3.4	0.0	73.4	71.8
Egypt	942	31.1	22.6	24.7	19.5	31.1	2.0	0.1	29.0	33.3
El Salvador	590	28.0	29.1	20.1	19.4	28.0	3.2	0.3	26.2	29.9
England	592	68.2	7.2	14.1	9.7	68.2	0.3	0.4	59.3	76.5
Georgia	596	30.8	21.1	24.4	11.9	30.8	10.7	1.0	36.6	26.0
Ghana	764	23.0	25.1	26.2	22.0	23.0	2.8	0.8	26.7	20.2
Hong Kong SAR	496	70.8	9.7	10.5	7.6	70.8	1.0	0.5	68.9	72.6
Hungary	585	63.0	10.4	18.9	5.9	63.0	1.9	0.0	59.5	66.5
Indonesia	589	41.2	22.6	21.4	13.2	41.2	1.2	0.4	41.8	40.4
Iran, Islamic Rep. of	562	42.2	15.8	18.3	22.1	42.2	1.6	0.0	44.6	40.3
Israel	460	55.8	12.1	14.7	11.7	55.8	4.5	1.2	55.6	56.1
Italy	620	51.1	21.0	12.4	12.7	51.1	2.7	0.1	52.1	50.1
Japan	618	66.7	5.6	15.6	11.0	66.7	0.8	0.3	68.6	64.6
Jordan	758	45.9	25.6	13.8	12.6	45.9	2.0	0.2	50.8	41.2
Korea, Rep. of	606	74.1	4.8	13.6	7.2	74.1	0.2	0.0	73.7	74.5
Kuwait	574	28.3	23.2	27.4	15.7	28.3	3.9	1.6	29.8	26.4
Lebanon	521	43.9	16.0	19.4	15.9	43.9	4.2	0.7	43.5	44.3
Lithuania	576	71.2	18.0	4.6	5.8	71.2	0.5	0.0	72.1	70.4
Malaysia	644	56.2	14.9	18.8	9.6	56.2	0.4	0.1	56.4	55.9
Malta	663	55.6	14.6	13.7	13.3	55.6	2.3	0.5	55.2	56.1
Morocco	341	30.2	20.7	18.9	24.5	30.2	4.8	0.9	33.4	26.9
Norway	663	43.2	23.2	16.4	14.4	43.2	2.3	0.5	37.4	49.1
Oman	683	32.5	22.5	24.4	14.2	32.5	5.4	1.0	36.6	28.0
Palestinian Nat'l Auth.	629	31.9	21.5	21.3	22.6	31.9	2.7	0.0	33.1	30.7
Qatar	1024	24.0	22.0	28.4	22.7	24.0	2.6	0.4	25.3	22.7
Romania	601	41.4	25.8	15.9	14.2	41.4	2.6	0.1	42.7	40.1
Russian Federation	633	67.9	11.3	12.2	7.3	67.9	1.4	0.0	70.2	64.8
Saudi Arabia	610	30.4	24.2	22.1	22.8	30.4	0.5	0.0	34.6	26.6
Scotland	569	58.7	13.4	14.0	12.9	58.7	0.8	0.2	59.9	57.4
Serbia	579	50.7	14.7	18.7	12.0	50.7	3.9	0.0	54.6	46.8
Singapore	656	74.3	7.6	12.3	5.4	74.3	0.5	0.0	75.3	73.4
Slovenia	570	72.7	7.9	9.9	8.8	72.7	0.7	0.0	70.9	74.6
Sweden	719	59.9	17.2	10.0	10.0	59.9	2.2	0.7	61.2	58.7
Syrian Arab Republic	647	28.2	21.5	25.1	20.0	28.2	4.7	0.6	27.6	28.9
Thailand	775	48.0	16.4	18.5	15.1	48.0	1.6	0.5	51.0	44.8
Tunisia	588	41.5	18.6	15.8	13.1	41.5	10.5	0.5	41.7	41.3
Turkey	648	54.2	15.5	10.7	18.0	54.2	1.3	0.2	55.3	53.2
Ukraine	635	59.1	15.0	14.4	9.7	59.1	1.8	0.0	61.1	57.3
United States	1046	61.6	12.1	13.2	12.4	61.6	0.4	0.3	63.0	60.3
International Avg.	637	48.8	16.8	17.4	13.7	48.8	2.9	0.4	49.5	48.1
Basque Country, Spain	326	60.4	12.4	12.2	11.3	60.4	3.7	0.0	61.9	59.2
British Columbia, Canada	606	61.0	9.5	13.4	14.5	61.0	1.3	0.2	60.5	61.4
Dubai, UAE	449	54.1	16.9	16.2	9.7	54.1	2.1	1.1	57.5	50.4
Massachusetts, US	280	71.3	9.5	8.6	9.8	71.3	0.9	0.0	69.9	73.0
Minnesota, US	244	65.7	12.9	10.1	11.3	65.7	0.0	0.0	64.8	66.7
Ontario, Canada	482	62.6	13.4	13.1	8.7	62.6	2.1	0.0	59.7	65.8
Quebec, Canada	544	61.8	17.0	7.9	9.4	61.8	3.1	0.7	65.2	58.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S042088 - S12_08)
 Label: Which solution is more dilute
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	758	29.7	19.1	46.5	3.7	1.0	29.7	32.9	26.7
Armenia	649	45.1	26.5	14.9	10.9	2.6	45.1	44.4	45.8
Australia	574	48.2	31.6	15.3	4.6	0.2	48.2	54.1	43.0
Bahrain	602	42.0	35.3	20.3	2.4	0.0	42.0	54.1	30.2
Bosnia and Herzegovina	604	47.6	14.6	32.3	5.4	0.0	47.6	47.9	47.4
Botswana	605	34.4	26.4	37.2	1.6	0.4	34.4	38.8	29.7
Bulgaria	432	44.8	12.3	37.0	4.8	1.0	44.8	50.9	38.7
Chinese Taipei	582	71.3	12.9	14.6	1.2	0.0	71.3	77.9	65.6
Colombia	693	41.8	33.7	14.8	8.1	1.6	41.8	41.6	42.0
Cyprus	630	61.3	24.2	12.4	2.1	0.0	61.3	64.3	58.2
Czech Republic	698	65.5	19.8	12.9	1.8	0.0	65.5	72.7	57.8
Egypt	945	34.6	27.7	33.1	4.6	0.1	34.6	35.1	34.1
El Salvador	590	37.3	35.7	20.7	6.1	0.3	37.3	39.3	35.0
England	592	68.6	18.7	11.1	1.1	0.4	68.6	71.9	65.7
Georgia	596	27.1	21.9	35.9	14.2	1.0	27.1	26.9	27.2
Ghana	764	31.0	19.4	36.8	11.8	1.0	31.0	30.5	31.3
Hong Kong SAR	496	63.2	11.3	23.5	1.4	0.5	63.2	70.1	56.5
Hungary	585	67.6	14.6	17.2	0.5	0.0	67.6	69.1	66.1
Indonesia	589	58.7	20.0	16.5	4.1	0.7	58.7	65.0	51.4
Iran, Islamic Rep. of	563	28.2	50.4	20.2	1.2	0.0	28.2	33.0	24.2
Israel	460	29.5	40.5	20.7	7.8	1.5	29.5	33.5	25.2
Italy	629	53.8	22.2	19.3	4.5	0.1	53.8	61.1	46.8
Japan	618	82.1	6.8	10.4	0.4	0.3	82.1	86.3	77.5
Jordan	758	43.2	32.5	21.9	2.2	0.2	43.2	45.8	40.8
Korea, Rep. of	606	47.0	42.2	10.1	0.7	0.0	47.0	52.8	41.5
Kuwait	574	23.2	15.0	55.2	4.7	1.9	23.2	27.3	18.3
Lebanon	542	46.7	26.0	23.0	3.5	0.8	46.7	47.1	46.2
Lithuania	579	72.9	9.5	16.6	1.0	0.0	72.9	79.1	66.9
Malaysia	644	60.8	19.2	18.8	1.0	0.2	60.8	68.3	52.5
Malta	663	39.1	35.1	21.0	4.4	0.5	39.1	45.3	32.6
Morocco	346	30.5	40.4	20.0	8.2	0.9	30.5	34.2	26.6
Norway	663	51.1	22.5	23.8	2.1	0.5	51.1	53.4	48.7
Oman	683	28.7	45.1	23.7	1.6	1.0	28.7	33.8	23.1
Palestinian Nat'l Auth.	630	26.2	37.3	34.2	2.3	0.0	26.2	32.4	19.8
Qatar	1024	12.1	42.4	41.3	3.8	0.4	12.1	16.2	8.0
Romania	602	49.3	13.7	34.3	2.6	0.1	49.3	51.8	46.7
Russian Federation	633	64.5	17.9	15.9	1.7	0.0	64.5	73.1	53.4
Saudi Arabia	610	31.2	45.5	21.1	2.1	0.0	31.2	37.3	25.6
Scotland	569	56.1	22.4	18.9	2.5	0.2	56.1	66.1	46.0
Serbia	581	54.7	11.1	30.4	3.6	0.2	54.7	59.9	49.7
Singapore	656	60.8	28.9	9.1	1.3	0.0	60.8	69.3	52.6
Slovenia	570	76.3	9.4	14.0	0.3	0.0	76.3	82.1	70.4
Sweden	719	63.4	15.7	18.0	2.3	0.7	63.4	72.4	55.1
Syrian Arab Republic	647	27.1	23.9	43.9	4.5	0.6	27.1	28.1	26.0
Thailand	775	62.0	16.5	16.8	3.5	1.1	62.0	68.3	55.6
Tunisia	588	35.6	24.0	38.3	1.6	0.5	35.6	34.4	37.0
Turkey	648	38.2	33.8	22.9	4.9	0.2	38.2	43.2	33.5
Ukraine	635	54.1	21.0	21.6	3.4	0.0	54.1	60.0	48.6
United States	1046	37.2	39.4	20.6	2.5	0.3	37.2	40.7	33.7
International Avg.	638	47.0	25.2	23.7	3.6	0.5	47.0	51.5	42.5
Basque Country, Spain	326	58.1	27.6	12.5	1.8	0.0	58.1	63.3	53.9
British Columbia, Canada	606	37.9	35.1	21.0	5.5	0.4	37.9	39.5	36.4
Dubai, UAE	449	41.9	30.3	21.0	5.8	1.1	41.9	44.3	39.4
Massachusetts, US	280	43.6	36.0	16.1	4.3	0.0	43.6	44.1	43.0
Minnesota, US	244	40.6	42.4	16.3	0.7	0.0	40.6	45.2	36.1
Ontario, Canada	482	40.3	34.3	19.1	6.3	0.0	40.3	40.7	39.7
Quebec, Canada	544	57.7	22.2	14.9	4.4	0.7	57.7	63.1	52.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042218 - S12_09)
 Label: Why does a balloon with helium rise
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	777	28.6	11.6	28.6	19.5	35.4	3.6	1.2	31.8	25.6
Armenia	654	49.0	8.6	49.0	8.1	22.1	9.4	2.9	48.3	49.8
Australia	574	45.3	10.3	45.3	6.5	36.4	1.3	0.2	35.7	53.7
Bahrain	602	34.7	16.4	34.7	12.6	35.3	1.0	0.1	34.4	34.9
Bosnia and Herzegovina	604	44.7	12.1	44.7	8.4	31.0	3.7	0.0	42.3	46.8
Botswana	605	39.2	10.8	39.2	11.1	36.4	2.2	0.4	37.7	40.7
Bulgaria	432	50.9	14.7	50.9	11.9	18.2	3.3	1.0	57.3	44.5
Chinese Taipei	582	72.5	13.8	72.5	1.7	12.0	0.0	0.0	70.0	74.7
Colombia	693	31.6	13.8	31.6	16.3	34.4	1.3	2.5	31.1	32.2
Cyprus	630	38.0	13.6	38.0	10.9	36.3	1.3	0.0	33.3	42.9
Czech Republic	698	63.3	16.8	63.3	4.2	14.2	1.6	0.0	57.4	69.5
Egypt	939	41.7	17.9	41.7	11.5	27.6	1.1	0.1	39.5	44.0
El Salvador	590	26.1	19.1	26.1	19.7	32.6	1.8	0.7	25.2	27.1
England	592	55.9	16.9	55.9	2.9	22.8	1.0	0.5	45.9	65.3
Georgia	596	32.6	8.9	32.6	12.4	39.9	5.2	1.0	33.0	32.4
Ghana	764	41.1	13.2	41.1	12.4	29.5	2.7	1.1	39.6	42.2
Hong Kong SAR	496	54.2	18.0	54.2	5.3	21.8	0.2	0.5	49.7	58.7
Hungary	585	65.5	11.3	65.5	3.9	18.3	1.0	0.0	55.2	76.1
Indonesia	589	6.5	7.2	6.5	9.5	75.8	0.4	0.7	10.2	2.2
Iran, Islamic Rep. of	563	60.4	3.4	60.4	9.8	25.7	0.7	0.0	60.1	60.7
Israel	460	33.4	15.0	33.4	7.8	39.8	2.4	1.5	30.0	37.2
Italy	628	41.7	9.6	41.7	9.9	37.1	1.6	0.1	37.3	46.0
Japan	618	64.2	13.2	64.2	7.0	14.5	0.8	0.3	58.3	70.7
Jordan	758	50.5	14.2	50.5	9.3	24.8	1.0	0.2	54.3	46.8
Korea, Rep. of	606	80.7	10.6	80.7	1.3	7.4	0.0	0.0	77.5	83.8
Kuwait	574	39.8	15.5	39.8	9.5	31.2	2.1	1.9	39.9	39.8
Lebanon	535	44.4	14.9	44.4	9.6	28.2	2.1	0.8	41.9	47.3
Lithuania	579	30.5	21.8	30.5	11.8	34.5	1.4	0.0	28.4	32.4
Malaysia	644	39.3	12.9	39.3	6.8	40.2	0.6	0.2	40.9	37.5
Malta	663	45.9	15.5	45.9	8.7	28.0	1.2	0.6	37.2	55.0
Morocco	343	32.0	16.8	32.0	15.7	31.4	2.1	2.1	29.6	34.3
Norway	663	33.7	19.3	33.7	11.0	34.2	1.4	0.5	25.5	42.0
Oman	683	34.6	22.0	34.6	11.2	30.4	0.6	1.2	39.9	28.8
Palestinian Nat'l Auth.	630	42.9	14.7	42.9	10.0	30.4	2.1	0.0	41.2	44.6
Qatar	1024	31.4	16.9	31.4	19.0	30.8	1.4	0.5	30.0	32.8
Romania	602	29.7	16.8	29.7	17.5	34.1	1.7	0.2	25.4	34.1
Russian Federation	633	58.0	9.6	58.0	7.8	23.5	1.1	0.0	54.7	62.3
Saudi Arabia	610	40.5	16.7	40.5	9.2	33.2	0.4	0.0	43.4	37.8
Scotland	569	50.4	15.4	50.4	4.9	28.6	0.5	0.2	45.8	55.0
Serbia	580	52.2	14.1	52.2	4.1	26.8	2.5	0.2	50.4	54.0
Singapore	656	69.1	14.8	69.1	3.6	12.2	0.3	0.0	66.0	72.1
Slovenia	570	63.1	13.3	63.1	8.6	14.4	0.5	0.0	57.3	69.0
Sweden	719	41.5	23.8	41.5	8.3	24.7	1.0	0.7	35.0	47.3
Syrian Arab Republic	647	53.6	14.6	53.6	8.9	20.9	1.1	0.8	58.3	48.5
Thailand	775	28.0	15.8	28.0	4.3	50.3	0.4	1.1	26.3	29.7
Tunisia	588	28.0	9.8	28.0	14.7	41.6	5.3	0.5	31.1	24.6
Turkey	648	40.9	16.7	40.9	5.5	35.9	0.7	0.2	36.5	45.0
Ukraine	635	55.1	15.0	55.1	5.5	23.5	0.9	0.0	49.2	60.6
United States	1046	62.9	14.5	62.9	5.2	16.8	0.4	0.3	56.8	68.9
International Avg.	638	44.9	14.3	44.9	9.3	29.3	1.6	0.5	42.6	47.2
Basque Country, Spain	326	42.7	11.7	42.7	12.5	32.1	1.0	0.0	37.4	46.8
British Columbia, Canada	606	59.9	13.6	59.9	4.5	19.9	1.8	0.4	50.9	68.8
Dubai, UAE	449	51.0	13.9	51.0	7.7	24.9	1.4	1.2	48.5	53.7
Massachusetts, US	280	73.2	8.8	73.2	4.4	12.2	1.1	0.3	66.2	81.5
Minnesota, US	244	62.8	13.6	62.8	6.0	17.2	0.5	0.0	57.5	68.0
Ontario, Canada	482	54.6	15.8	54.6	4.7	22.8	2.1	0.0	47.6	62.4
Quebec, Canada	544	35.1	19.7	35.1	9.6	32.3	2.4	0.7	31.2	38.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Reasoning (S042104 - S12_10)
 Label: Balance after HCL-NaOH are mixed
 Type: CR Key: -

COUNTRY	N	10	11	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	759	11.0	0.1	34.7	20.5	27.0	5.2	1.4	11.1	11.3	10.9
Armenia	650	18.4	3.9	21.7	10.3	22.7	19.6	3.5	22.2	24.0	20.2
Australia	574	29.4	0.6	29.0	18.5	19.3	3.0	0.2	29.9	29.1	30.7
Bahrain	602	13.0	0.3	40.7	16.7	25.6	3.6	0.1	13.3	17.7	9.0
Bosnia and Herzegovina	604	15.9	0.2	30.7	16.6	24.1	12.5	0.0	16.2	12.9	18.9
Botswana	605	5.3	0.2	40.4	17.8	32.8	3.0	0.6	5.5	3.6	7.5
Bulgaria	432	22.4	0.1	26.1	22.1	18.5	9.8	1.0	22.5	25.7	19.4
Chinese Taipei	582	34.3	1.1	23.0	14.4	25.6	1.6	0.0	35.4	37.9	33.3
Colombia	693	18.3	0.1	33.6	15.9	22.5	6.8	2.8	18.4	14.0	23.3
Cyprus	630	23.7	0.5	28.7	23.6	17.6	5.8	0.0	24.3	27.9	20.5
Czech Republic	698	41.0	0.7	14.6	15.4	25.3	3.0	0.0	41.7	39.0	44.5
Egypt	945	5.1	0.4	38.6	24.0	27.0	4.8	0.2	5.5	6.0	4.9
El Salvador	590	14.8	0.0	26.4	21.4	24.6	12.0	0.8	14.8	12.5	17.5
England	592	23.6	0.5	39.0	14.8	19.8	1.8	0.5	24.1	25.1	23.2
Georgia	596	11.1	0.0	41.3	15.1	15.6	15.2	1.7	11.2	12.8	9.8
Ghana	764	1.8	0.3	21.9	28.0	28.2	18.4	1.4	2.1	1.7	2.4
Hong Kong SAR	496	26.5	2.4	22.8	27.2	18.6	2.0	0.5	28.9	29.6	28.3
Hungary	585	41.3	0.8	17.8	20.3	17.8	2.0	0.0	42.1	44.7	39.5
Indonesia	588	12.9	0.4	21.7	26.5	30.5	7.4	0.7	13.3	12.7	14.0
Iran, Islamic Rep. of	563	16.1	0.5	37.3	21.1	22.5	2.5	0.0	16.6	16.1	17.0
Israel	460	29.9	1.4	17.9	16.5	24.3	8.5	1.5	31.3	36.3	25.8
Italy	627	26.2	0.6	47.9	10.5	10.9	3.8	0.1	26.8	28.1	25.5
Japan	618	45.7	0.7	8.8	27.3	16.3	0.9	0.3	46.4	49.2	43.3
Jordan	758	23.5	0.0	26.6	21.7	25.5	2.4	0.3	23.5	27.2	20.0
Korea, Rep. of	606	49.9	0.0	12.9	15.4	20.4	1.4	0.0	49.9	55.1	45.0
Kuwait	573	9.2	0.6	18.2	0.6	64.6	4.8	2.1	9.7	12.0	7.0
Lebanon	542	13.5	1.8	44.9	16.1	15.8	7.1	0.8	15.3	15.2	15.4
Lithuania	579	40.0	0.1	22.6	12.6	20.8	3.7	0.1	40.2	42.1	38.3
Malaysia	644	17.0	0.2	27.6	19.3	33.0	2.7	0.2	17.2	18.6	15.6
Malta	665	17.9	0.1	51.0	13.5	14.2	2.6	0.6	18.1	19.0	17.1
Morocco	346	10.5	0.1	29.6	29.7	20.2	7.8	2.0	10.6	8.2	13.1
Norway	663	17.8	4.1	24.9	23.2	26.4	3.1	0.5	21.9	23.0	20.7
Oman	683	11.3	0.2	37.1	21.0	25.5	3.7	1.2	11.5	14.4	8.3
Palestinian Nat'l Auth.	630	8.4	0.4	38.6	24.0	26.4	1.9	0.3	8.8	11.1	6.5
Qatar	1024	2.0	0.1	30.7	36.3	27.4	3.0	0.5	2.1	2.6	1.6
Romania	602	17.8	0.9	35.5	13.2	28.3	4.1	0.2	18.8	22.6	14.8
Russian Federation	633	42.1	1.6	19.1	12.1	21.5	3.6	0.0	43.8	46.3	40.5
Saudi Arabia	610	6.2	0.1	40.6	21.7	24.3	7.1	0.0	6.4	8.6	4.3
Scotland	569	16.0	0.1	40.6	18.0	21.6	3.5	0.2	16.1	15.9	16.4
Serbia	581	15.7	0.3	51.7	10.3	13.3	8.1	0.6	16.1	18.4	13.8
Singapore	656	27.4	0.3	26.6	21.5	23.0	1.1	0.0	27.7	29.9	25.7
Slovenia	570	48.3	0.3	19.7	13.8	17.7	0.1	0.0	48.6	54.3	42.8
Sweden	719	18.1	0.8	30.3	19.0	28.2	3.0	0.7	18.9	23.7	14.5
Syrian Arab Republic	647	20.7	0.2	23.0	22.7	30.0	2.6	0.8	20.9	21.0	20.7
Thailand	775	23.2	0.8	23.8	15.6	27.4	8.1	1.1	24.0	25.0	22.9
Tunisia	589	24.4	0.0	34.3	16.7	21.9	1.9	0.7	24.4	20.9	28.3
Turkey	648	20.4	0.7	29.7	18.8	22.6	7.5	0.2	21.2	20.8	21.5
Ukraine	635	27.3	0.0	25.9	19.4	20.4	7.0	0.0	27.3	24.6	29.9
United States	1046	23.9	0.6	40.4	11.6	21.3	2.0	0.3	24.5	26.0	23.1
International Avg.	638	21.2	0.6	30.0	18.6	23.6	5.2	0.6	21.9	23.0	20.8
Basque Country, Spain	326	28.6	0.2	27.0	16.4	23.4	4.2	0.2	28.8	32.2	26.1
British Columbia, Canada	606	26.1	0.7	38.7	12.8	17.8	3.6	0.4	26.8	25.1	28.5
Dubai, UAE	449	12.2	0.7	39.7	13.3	28.9	4.0	1.2	13.0	14.8	11.0
Massachusetts, US	280	35.9	0.0	38.3	9.5	14.1	1.9	0.3	35.9	41.3	29.6
Minnesota, US	244	25.6	1.4	40.1	11.4	21.0	0.5	0.0	27.0	25.5	28.5
Ontario, Canada	482	26.5	0.7	36.2	9.2	23.2	4.2	0.0	27.2	26.3	28.2
Quebec, Canada	544	38.3	1.0	19.1	13.5	21.8	5.6	0.7	39.3	38.9	39.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S042064 - S12_11)
 Label: Why oil floats on top of water
 Type: CR Key: -

COUNTRY	N	10	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	761	28.8	0.0	1.1	30.8	30.9	6.7	1.7	28.8	29.0	28.6
Armenia	651	36.0	11.3	3.2	6.5	12.5	26.0	4.4	47.3	49.6	44.8
Australia	574	15.4	0.0	0.8	24.0	51.6	8.0	0.2	15.4	13.8	16.8
Bahrain	602	35.3	0.3	2.6	4.3	45.7	11.5	0.3	35.6	38.5	32.9
Bosnia and Herzegovina	604	14.1	0.8	8.3	25.9	38.2	12.7	0.0	14.9	13.5	16.1
Botswana	605	6.7	0.1	2.1	13.1	68.7	8.1	1.2	6.8	6.3	7.3
Bulgaria	432	29.7	4.6	7.1	7.0	27.2	23.2	1.2	34.3	36.8	31.8
Chinese Taipei	582	55.7	0.5	0.3	7.9	27.1	8.5	0.0	56.2	53.1	58.9
Colombia	693	10.6	0.0	1.0	8.7	66.5	9.9	3.3	10.6	5.6	16.1
Cyprus	630	28.4	0.0	3.8	16.9	32.3	18.4	0.2	28.4	28.0	28.9
Czech Republic	698	39.6	0.0	2.9	10.4	43.9	3.2	0.0	39.6	38.9	40.4
Egypt	945	30.3	0.0	4.1	7.4	46.8	10.9	0.4	30.3	31.5	29.1
El Salvador	590	6.8	0.2	11.5	0.0	65.7	13.4	2.6	6.9	2.9	11.4
England	592	25.0	0.0	1.1	13.8	51.0	8.5	0.6	25.0	18.9	30.7
Georgia	596	8.7	0.0	9.5	15.1	33.7	30.3	2.7	8.7	10.1	7.5
Ghana	764	7.7	0.2	1.5	10.4	57.0	20.7	2.5	7.9	4.6	10.4
Hong Kong SAR	496	39.0	0.2	3.5	8.3	36.4	12.1	0.5	39.2	42.0	36.4
Hungary	585	44.8	0.0	2.0	5.9	41.5	5.7	0.1	44.8	40.4	49.3
Indonesia	588	8.4	1.4	3.9	3.8	74.0	7.6	1.0	9.8	9.7	9.8
Iran, Islamic Rep. of	563	4.7	0.2	47.0	0.0	39.9	8.3	0.0	4.9	4.8	4.9
Israel	460	6.6	3.1	7.3	40.0	24.2	16.7	2.0	9.8	9.8	9.7
Italy	625	9.4	5.1	1.7	40.6	31.2	11.8	0.3	14.5	11.5	17.3
Japan	618	8.6	0.2	0.7	56.0	27.3	7.0	0.3	8.8	8.9	8.7
Jordan	758	48.6	0.0	0.7	1.2	44.0	5.2	0.3	48.6	52.7	44.7
Korea, Rep. of	606	55.7	0.0	1.8	19.1	21.7	1.7	0.0	55.7	49.5	61.5
Kuwait	574	40.5	0.4	3.6	3.7	36.0	13.1	2.7	40.9	42.7	38.8
Lebanon	542	21.5	0.2	9.2	10.1	46.5	11.7	0.8	21.8	21.2	22.3
Lithuania	579	14.9	0.5	2.7	37.2	34.9	9.7	0.1	15.3	15.2	15.5
Malaysia	644	33.4	0.5	8.3	0.1	48.3	8.8	0.5	33.9	34.1	33.6
Malta	665	32.7	0.2	1.9	17.3	34.1	13.3	0.6	32.9	32.1	33.7
Morocco	344	8.0	2.6	5.4	18.2	47.4	16.4	2.0	10.6	9.8	11.5
Norway	663	13.3	0.0	3.2	30.3	40.7	12.0	0.5	13.3	10.2	16.5
Oman	683	28.1	0.0	4.0	8.1	51.6	6.8	1.3	28.1	33.0	22.7
Palestinian Nat'l Auth.	630	37.5	0.0	3.3	7.6	43.0	8.4	0.3	37.5	37.0	38.0
Qatar	1024	7.1	0.0	3.6	13.3	48.5	26.9	0.5	7.1	6.2	8.1
Romania	602	25.0	0.3	3.0	21.0	36.6	13.7	0.4	25.3	24.9	25.7
Russian Federation	633	40.9	4.4	1.9	11.1	31.4	10.0	0.3	45.4	42.3	49.3
Saudi Arabia	610	22.2	0.5	2.8	9.9	50.5	13.9	0.1	22.8	26.1	19.7
Scotland	569	17.8	0.0	1.8	15.3	51.6	13.3	0.2	17.8	17.5	18.0
Serbia	581	14.4	0.4	2.3	14.8	52.8	14.6	0.7	14.7	13.4	16.0
Singapore	656	54.7	0.3	3.1	10.2	28.5	3.2	0.0	55.0	53.1	56.8
Slovenia	570	43.9	0.0	3.1	21.3	29.2	2.5	0.0	43.9	35.7	52.3
Sweden	719	13.8	0.2	2.1	20.1	48.5	14.4	0.8	14.1	11.1	16.7
Syrian Arab Republic	647	40.6	2.6	3.7	13.0	30.5	8.8	0.8	43.2	43.7	42.6
Thailand	775	18.3	0.1	5.3	8.6	54.1	12.1	1.4	18.4	19.7	17.1
Tunisia	589	13.9	4.1	5.9	34.7	36.5	3.9	1.0	18.1	17.3	18.8
Turkey	648	28.9	0.4	0.8	10.9	44.4	14.1	0.6	29.3	25.7	32.6
Ukraine	635	29.4	1.9	10.3	15.3	32.5	10.3	0.4	31.3	28.6	33.8
United States	1046	47.3	0.3	1.3	8.2	39.0	3.6	0.3	47.6	45.5	49.6
International Avg.	638	25.6	1.0	4.5	15.0	41.5	11.5	0.9	26.5	25.6	27.4
Basque Country, Spain	326	31.2	0.9	11.1	0.0	48.1	8.6	0.2	32.0	29.8	33.8
British Columbia, Canada	606	50.7	0.4	2.7	11.2	28.6	6.0	0.4	51.1	49.8	52.5
Dubai, UAE	449	40.4	0.0	3.8	7.9	36.5	10.3	1.2	40.4	38.9	41.9
Massachusetts, US	280	69.3	0.3	1.3	3.5	23.2	2.1	0.3	69.6	67.7	71.9
Minnesota, US	244	50.8	0.0	2.0	7.3	38.5	1.5	0.0	50.8	46.5	55.0
Ontario, Canada	482	40.7	0.3	4.8	13.4	36.3	4.3	0.1	41.1	38.0	44.4
Quebec, Canada	544	17.9	0.1	3.6	35.7	33.6	8.4	0.7	18.0	12.4	23.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042273 - S12_12)
 Label: Seeing lightning and hearing thunder
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	765	31.7	0.2	45.4	20.6	2.0	31.7	26.8	36.6
Armenia	650	35.9	5.0	18.3	35.9	4.9	35.9	34.5	37.3
Australia	574	52.0	0.4	35.7	11.7	0.2	52.0	39.7	62.8
Bahrain	602	52.9	1.3	32.7	12.7	0.3	52.9	58.8	47.1
Bosnia and Herzegovina	604	37.6	0.0	36.3	26.1	0.0	37.6	36.6	38.5
Botswana	605	30.0	0.0	59.4	8.7	1.9	30.0	29.4	30.6
Bulgaria	432	48.6	1.0	23.3	25.3	1.7	48.6	49.0	48.2
Chinese Taipei	582	70.2	1.2	21.3	7.4	0.0	70.2	65.9	74.0
Colombia	693	18.6	0.4	62.7	14.3	3.9	18.6	11.0	27.2
Cyprus	630	42.5	0.0	29.3	27.9	0.2	42.5	41.0	44.1
Czech Republic	698	49.1	0.4	35.8	14.8	0.0	49.1	40.5	58.1
Egypt	945	29.3	0.8	51.2	18.2	0.5	29.3	26.7	31.9
El Salvador	590	22.0	0.6	58.2	16.3	2.9	22.0	16.3	28.4
England	592	81.1	0.0	14.1	4.2	0.6	81.1	77.5	84.3
Georgia	596	15.4	0.5	44.6	36.8	2.8	15.4	17.2	13.8
Ghana	764	5.0	0.0	39.3	52.1	3.5	5.0	3.5	6.2
Hong Kong SAR	496	62.1	0.0	26.5	11.0	0.5	62.1	54.4	69.6
Hungary	585	54.8	0.0	30.8	14.3	0.1	54.8	45.9	63.9
Indonesia	588	17.1	1.6	67.5	12.7	1.1	17.1	16.0	18.5
Iran, Islamic Rep. of	563	24.9	0.8	57.1	16.2	1.0	24.9	17.7	31.1
Israel	460	44.1	0.7	29.0	24.2	2.0	44.1	39.1	49.8
Italy	629	45.2	0.3	31.7	22.2	0.5	45.2	38.3	51.9
Japan	618	68.5	2.1	21.9	7.1	0.3	68.5	65.9	71.4
Jordan	758	53.3	0.0	38.2	8.1	0.4	53.3	51.3	55.1
Korea, Rep. of	606	52.1	1.0	40.2	6.6	0.0	52.1	41.7	62.2
Kuwait	574	51.5	0.7	27.1	17.5	3.2	51.5	53.5	49.0
Lebanon	542	34.2	5.0	28.9	31.3	0.8	34.2	27.3	42.0
Lithuania	579	56.7	0.4	34.5	8.1	0.3	56.7	51.4	61.8
Malaysia	644	47.7	1.0	38.3	11.6	1.5	47.7	44.8	50.8
Malta	663	60.6	0.3	20.3	18.0	0.8	60.6	58.5	62.8
Morocco	341	13.1	11.1	37.2	36.2	2.4	13.1	11.2	15.0
Norway	663	55.4	0.7	33.0	10.1	0.8	55.4	52.4	58.4
Oman	683	47.9	0.3	41.8	8.5	1.6	47.9	52.7	42.5
Palestinian Nat'l Auth.	630	35.8	0.4	49.4	13.7	0.7	35.8	35.4	36.3
Qatar	1024	39.8	0.1	33.5	25.9	0.7	39.8	49.2	30.4
Romania	602	43.4	1.7	36.1	18.4	0.4	43.4	36.6	50.5
Russian Federation	633	38.6	0.4	41.2	19.4	0.4	38.6	32.6	46.4
Saudi Arabia	610	39.9	1.1	45.7	13.0	0.2	39.9	52.0	28.9
Scotland	569	47.0	0.0	36.6	15.8	0.5	47.0	48.5	45.5
Serbia	581	41.3	0.5	30.0	27.4	0.7	41.3	38.9	43.7
Singapore	656	80.4	0.4	16.9	2.3	0.0	80.4	79.3	81.4
Slovenia	570	65.2	0.6	27.4	6.7	0.0	65.2	59.5	71.1
Sweden	719	50.8	0.1	38.5	9.7	0.8	50.8	46.3	54.9
Syrian Arab Republic	647	46.2	0.6	37.9	14.1	1.2	46.2	45.6	46.7
Thailand	775	32.9	0.4	51.3	13.9	1.5	32.9	30.4	35.4
Tunisia	589	22.7	1.8	59.0	15.0	1.5	22.7	20.0	25.7
Turkey	648	28.8	0.8	49.2	20.4	0.8	28.8	24.6	32.6
Ukraine	635	42.4	6.1	35.0	15.9	0.5	42.4	37.2	47.3
United States	1046	47.7	0.2	46.2	5.6	0.3	47.7	41.6	53.8
International Avg.	638	43.1	1.1	37.7	17.0	1.1	43.1	40.3	46.0
Basque Country, Spain	326	58.1	0.2	30.6	10.9	0.2	58.1	48.5	65.7
British Columbia, Canada	606	44.6	0.5	38.8	15.7	0.5	44.6	36.7	52.4
Dubai, UAE	449	58.0	2.9	23.7	13.8	1.6	58.0	54.7	61.5
Massachusetts, US	280	51.2	0.0	41.3	7.2	0.3	51.2	44.4	59.2
Minnesota, US	244	48.0	1.1	48.9	1.9	0.0	48.0	37.8	58.1
Ontario, Canada	482	42.4	0.6	40.8	16.1	0.1	42.4	34.8	50.8
Quebec, Canada	544	37.8	1.3	47.7	12.4	0.8	37.8	30.0	45.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042301 - S12_13)
 Label: What causes an earthquake
 Type: CR Key: -

COUNTRY	N	10	11	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	750	23.9	6.8	54.5	12.4	2.3	30.8	27.9	33.5
Armenia	651	37.4	3.4	19.6	33.7	5.9	40.8	41.9	39.6
Australia	574	62.3	3.6	23.9	9.9	0.2	65.9	57.0	73.7
Bahrain	602	23.6	14.2	47.5	14.4	0.3	37.8	43.9	31.8
Bosnia and Herzegovina	604	31.3	10.3	38.9	19.1	0.4	41.6	39.3	43.5
Botswana	605	2.4	2.3	75.1	17.9	2.3	4.7	3.9	5.5
Bulgaria	432	64.5	2.1	15.0	16.7	1.7	66.6	66.1	67.0
Chinese Taipei	582	77.0	2.9	14.5	5.5	0.0	80.0	79.9	80.0
Colombia	693	20.8	6.1	53.9	14.2	5.0	26.9	20.5	34.0
Cyprus	630	43.6	1.6	39.4	15.1	0.2	45.2	47.1	43.2
Czech Republic	698	65.3	8.0	19.7	6.8	0.2	73.3	70.3	76.4
Egypt	942	21.8	5.9	57.4	14.2	0.7	27.7	29.3	26.1
El Salvador	590	19.3	15.7	45.8	15.8	3.5	34.9	32.3	37.9
England	592	69.8	2.5	19.5	7.6	0.6	72.3	71.1	73.3
Georgia	596	27.2	8.8	34.2	26.9	2.8	36.0	31.2	40.0
Ghana	764	1.8	3.9	47.3	41.7	5.3	5.7	3.4	7.4
Hong Kong SAR	496	69.6	1.9	18.2	9.8	0.5	71.5	72.2	70.8
Hungary	585	58.5	7.5	17.4	16.2	0.4	66.0	62.5	69.7
Indonesia	589	32.5	8.9	48.8	7.7	2.1	41.4	40.7	42.2
Iran, Islamic Rep. of	563	33.6	11.4	47.0	7.0	1.0	45.0	46.7	43.5
Israel	460	40.4	6.4	32.3	18.9	2.0	46.8	42.7	51.4
Italy	629	38.5	2.2	48.4	10.3	0.5	40.8	38.1	43.3
Japan	618	63.9	3.8	27.2	4.9	0.3	67.7	65.7	69.9
Jordan	758	30.0	6.9	54.2	8.5	0.4	36.9	42.4	31.6
Korea, Rep. of	606	39.2	7.6	47.3	5.9	0.0	46.8	43.7	49.7
Kuwait	574	32.4	6.4	43.1	14.9	3.2	38.8	42.2	34.8
Lebanon	542	12.7	5.5	43.8	37.0	1.0	18.1	16.7	19.8
Lithuania	579	70.4	3.9	19.9	5.5	0.3	74.3	72.0	76.4
Malaysia	644	12.4	7.1	65.1	13.8	1.6	19.6	18.3	21.0
Malta	665	37.5	6.0	36.5	19.2	0.8	43.5	42.8	44.3
Morocco	346	29.9	7.0	42.9	17.7	2.5	36.9	35.2	38.6
Norway	663	61.8	1.9	25.3	10.2	0.8	63.7	60.8	66.5
Oman	683	13.9	4.5	69.3	10.3	2.0	18.4	23.4	12.9
Palestinian Nat'l Auth.	629	17.0	8.2	60.4	13.7	0.7	25.2	26.2	24.2
Qatar	1024	4.1	9.9	53.0	32.2	0.7	14.0	14.3	13.8
Romania	602	50.4	5.7	32.0	10.9	1.1	56.1	53.8	58.5
Russian Federation	633	69.8	3.6	18.1	8.0	0.5	73.3	71.4	75.8
Saudi Arabia	610	4.1	3.1	82.1	10.5	0.2	7.2	7.9	6.5
Scotland	569	68.5	1.2	23.3	6.4	0.5	69.8	66.7	72.8
Serbia	581	37.7	10.7	29.0	21.9	0.7	48.4	52.1	44.9
Singapore	656	42.5	6.9	42.1	8.3	0.1	49.5	50.0	48.9
Slovenia	570	74.6	3.2	17.2	5.0	0.0	77.8	74.8	80.8
Sweden	719	60.6	2.5	24.8	11.3	0.8	63.1	64.2	62.1
Syrian Arab Republic	647	34.1	8.3	44.8	11.5	1.3	42.4	42.8	42.0
Thailand	775	42.6	7.2	39.8	8.8	1.5	49.8	51.4	48.1
Tunisia	589	14.6	13.4	61.0	9.2	1.7	28.1	26.0	30.3
Turkey	648	33.6	3.3	49.2	13.1	0.8	36.9	37.6	36.2
Ukraine	635	42.0	9.3	30.0	18.2	0.5	51.3	50.0	52.6
United States	1046	62.4	1.8	31.2	4.2	0.3	64.3	63.1	65.4
International Avg.	638	39.3	6.0	39.4	13.9	1.3	45.4	44.6	46.2
Basque Country, Spain	326	57.7	2.9	28.7	9.9	0.7	60.7	51.1	68.2
British Columbia, Canada	606	76.4	3.0	14.7	5.3	0.5	79.4	75.2	83.6
Dubai, UAE	449	35.9	12.2	38.8	11.3	1.8	48.1	47.3	49.0
Massachusetts, US	280	74.2	1.8	18.7	5.0	0.3	76.0	75.0	77.2
Minnesota, US	244	65.2	0.9	30.2	3.7	0.0	66.1	64.7	67.5
Ontario, Canada	482	60.5	5.2	22.1	12.0	0.1	65.8	61.3	70.7
Quebec, Canada	544	61.2	1.9	24.1	12.0	0.8	63.0	57.4	68.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042312 - S12_14)
 Label: What rotation of Earth causes
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	60.3	22.4	7.7	60.3	4.9	2.2	2.5	57.1	63.4
Armenia	652	66.0	8.0	3.2	66.0	11.5	4.1	7.1	68.4	63.4
Australia	574	63.8	23.5	4.3	63.8	7.2	0.8	0.4	62.6	64.8
Bahrain	602	58.7	29.1	7.0	58.7	4.1	0.4	0.7	59.3	58.1
Bosnia and Herzegovina	604	69.2	20.4	4.6	69.2	3.7	1.4	0.6	63.0	74.4
Botswana	605	44.4	19.1	18.4	44.4	14.8	0.5	2.9	46.0	42.7
Bulgaria	432	79.5	10.9	3.6	79.5	3.0	1.2	1.7	80.1	79.0
Chinese Taipei	582	66.1	20.2	5.1	66.1	8.6	0.0	0.0	70.3	62.6
Colombia	693	69.0	14.1	5.8	69.0	4.7	0.3	6.0	66.2	72.1
Cyprus	630	68.9	22.2	6.8	68.9	1.3	0.6	0.2	68.3	69.6
Czech Republic	698	73.3	18.8	1.5	73.3	5.2	1.1	0.2	70.0	76.8
Egypt	939	59.1	18.5	14.7	59.1	6.3	0.8	0.7	60.7	57.4
El Salvador	590	67.7	16.8	7.0	67.7	3.3	1.0	4.3	65.2	70.4
England	592	70.2	22.8	3.4	70.2	0.9	1.7	1.0	69.3	71.0
Georgia	596	66.1	20.8	6.6	66.1	2.0	1.7	2.8	63.0	68.7
Ghana	764	47.0	13.7	22.5	47.0	9.7	1.3	5.8	41.6	51.0
Hong Kong SAR	496	61.2	23.3	7.0	61.2	7.2	0.6	0.7	65.2	57.3
Hungary	585	81.7	12.7	1.6	81.7	2.2	1.4	0.4	80.7	82.8
Indonesia	589	65.0	10.8	10.1	65.0	11.1	0.3	2.6	62.6	67.8
Iran, Islamic Rep. of	563	62.8	20.3	4.8	62.8	10.3	0.6	1.1	58.6	66.4
Israel	460	67.9	17.7	9.0	67.9	2.8	0.6	2.0	67.3	68.6
Italy	625	72.3	19.3	4.6	72.3	1.9	1.3	0.6	72.7	71.9
Japan	618	71.1	17.0	4.0	71.1	6.0	1.5	0.4	70.7	71.6
Jordan	758	64.6	21.9	8.4	64.6	4.3	0.3	0.4	62.2	66.9
Korea, Rep. of	606	64.7	22.4	5.2	64.7	7.7	0.0	0.0	63.2	66.1
Kuwait	574	57.7	27.0	7.8	57.7	3.1	1.2	3.2	57.9	57.5
Lebanon	532	58.7	19.3	15.8	58.7	3.3	1.7	1.1	53.3	65.0
Lithuania	567	77.0	18.1	1.4	77.0	2.8	0.3	0.3	72.9	81.0
Malaysia	644	79.4	11.2	4.1	79.4	3.4	0.3	1.6	80.0	78.8
Malta	665	61.2	17.4	15.5	61.2	4.2	0.9	0.8	65.9	56.3
Morocco	344	66.2	7.9	14.5	66.2	8.3	0.4	2.7	63.9	68.6
Norway	663	67.2	22.9	3.1	67.2	4.0	1.9	0.9	67.9	66.6
Oman	683	60.9	20.2	9.7	60.9	6.1	0.8	2.3	61.7	60.0
Palestinian Nat'l Auth.	629	52.5	21.4	20.0	52.5	4.5	0.7	0.9	54.8	50.2
Qatar	1024	46.3	27.7	18.4	46.3	6.1	0.7	0.8	48.5	44.1
Romania	602	56.9	24.5	5.5	56.9	11.5	0.4	1.1	52.3	61.8
Russian Federation	633	74.1	17.1	1.9	74.1	4.1	2.3	0.5	72.8	75.7
Saudi Arabia	609	72.4	19.5	6.3	72.4	1.3	0.2	0.2	76.8	68.4
Scotland	569	69.1	16.5	6.1	69.1	6.7	1.1	0.5	70.3	67.9
Serbia	574	66.9	20.2	4.5	66.9	7.3	0.3	0.8	70.1	63.7
Singapore	656	78.3	7.0	11.0	78.3	3.6	0.0	0.1	80.7	76.0
Slovenia	570	69.2	20.7	2.0	69.2	6.7	1.4	0.0	65.5	73.0
Sweden	719	67.8	23.7	2.3	67.8	4.3	0.9	1.0	69.7	66.1
Syrian Arab Republic	647	60.2	17.2	7.7	60.2	12.2	1.5	1.3	56.5	64.3
Thailand	775	65.2	10.5	10.1	65.2	12.5	0.2	1.5	63.8	66.7
Tunisia	589	76.5	9.9	4.8	76.5	2.7	3.7	2.3	74.1	79.3
Turkey	648	66.1	25.2	4.1	66.1	2.9	0.6	1.0	62.8	69.2
Ukraine	635	71.7	19.1	4.9	71.7	1.0	2.7	0.6	67.3	75.8
United States	1046	53.6	35.8	5.4	53.6	4.4	0.4	0.4	53.2	54.0
International Avg.	637	65.6	18.9	7.4	65.6	5.5	1.0	1.5	64.8	66.4
Basque Country, Spain	326	77.2	13.3	3.0	77.2	4.7	1.1	0.7	71.7	81.5
British Columbia, Canada	606	61.4	18.7	5.7	61.4	11.5	1.9	0.7	63.4	59.5
Dubai, UAE	449	73.2	14.4	6.8	73.2	2.7	0.9	2.0	73.0	73.4
Massachusetts, US	280	59.6	33.1	3.8	59.6	1.7	1.1	0.7	54.0	66.2
Minnesota, US	244	50.0	40.5	5.0	50.0	4.0	0.0	0.5	52.2	47.9
Ontario, Canada	482	65.2	25.4	5.4	65.2	3.0	0.8	0.1	63.3	67.4
Quebec, Canada	544	61.1	26.2	4.6	61.1	4.2	2.2	1.6	62.7	59.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S042217 - S12_15)
 Label: Shadow of a tree on a sunny day
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	22.3	7.7	22.3	29.7	33.6	3.8	3.0	17.0	27.4
Armenia	651	37.9	3.8	37.9	17.6	20.4	13.3	7.1	34.8	41.3
Australia	574	59.3	3.2	59.3	19.8	16.4	0.8	0.4	47.1	70.1
Bahrain	602	32.3	7.9	32.3	20.5	37.5	1.2	0.7	26.6	37.9
Bosnia and Herzegovina	604	45.0	4.1	45.0	21.4	25.9	3.0	0.6	40.5	48.7
Botswana	605	33.4	7.0	33.4	30.1	24.7	1.7	3.1	30.6	36.3
Bulgaria	432	54.2	2.7	54.2	22.6	15.1	3.7	1.7	51.6	56.8
Chinese Taipei	582	80.3	1.3	80.3	12.5	5.6	0.3	0.0	81.4	79.3
Colombia	693	30.6	7.2	30.6	23.7	30.2	2.2	6.2	26.6	35.0
Cyprus	630	32.5	5.5	32.5	28.0	33.0	0.6	0.4	31.1	34.0
Czech Republic	698	62.1	1.9	62.1	17.6	17.3	0.8	0.2	56.7	67.9
Egypt	941	25.9	8.1	25.9	28.8	35.3	1.2	0.7	22.7	29.1
El Salvador	590	37.5	11.8	37.5	21.9	22.2	2.1	4.5	34.5	41.0
England	592	60.2	2.0	60.2	17.1	17.5	2.2	1.0	55.2	64.9
Georgia	596	40.0	4.0	40.0	30.7	19.9	2.5	2.8	36.9	42.6
Ghana	764	25.0	18.6	25.0	29.6	16.8	3.7	6.4	21.1	28.0
Hong Kong SAR	496	66.2	3.6	66.2	20.2	8.8	0.4	0.7	65.5	67.0
Hungary	585	57.0	2.7	57.0	16.7	22.2	1.1	0.4	45.8	68.6
Indonesia	589	35.4	8.0	35.4	23.3	28.6	1.7	2.9	25.6	46.7
Iran, Islamic Rep. of	563	45.3	5.8	45.3	22.3	22.9	2.5	1.1	41.8	48.3
Israel	460	28.3	7.6	28.3	32.0	26.1	4.1	2.0	24.7	32.3
Italy	621	46.6	1.3	46.6	30.2	20.0	1.2	0.8	44.2	48.9
Japan	618	58.4	0.5	58.4	31.0	8.8	0.6	0.5	53.1	64.3
Jordan	758	32.7	7.7	32.7	27.2	31.1	0.8	0.4	24.6	40.4
Korea, Rep. of	606	59.8	0.6	59.8	29.8	9.7	0.2	0.0	51.7	67.6
Kuwait	574	30.6	9.1	30.6	22.6	33.0	1.3	3.5	26.3	35.7
Lebanon	537	16.6	11.2	16.6	33.2	30.2	7.5	1.4	14.1	19.3
Lithuania	577	49.8	2.2	49.8	27.7	19.2	0.8	0.3	42.3	57.1
Malaysia	644	57.3	2.8	57.3	21.6	15.8	0.9	1.6	56.3	58.5
Malta	664	34.3	7.4	34.3	28.1	27.3	2.1	0.8	29.0	39.8
Morocco	343	29.4	8.7	29.4	27.4	28.0	3.7	2.7	26.4	32.5
Norway	663	59.0	2.3	59.0	20.9	15.4	1.2	1.1	54.9	63.1
Oman	683	32.2	12.4	32.2	20.3	31.8	1.1	2.3	27.8	37.0
Palestinian Nat'l Auth.	629	26.2	10.3	26.2	27.0	34.4	1.1	1.0	19.5	33.2
Qatar	1024	28.1	15.5	28.1	24.0	29.9	1.6	0.8	25.0	31.2
Romania	602	42.7	5.5	42.7	25.1	23.7	1.9	1.1	40.9	44.6
Russian Federation	633	47.7	2.4	47.7	25.0	21.6	2.7	0.7	43.4	53.3
Saudi Arabia	608	30.4	8.6	30.4	26.1	34.1	0.2	0.5	25.8	34.6
Scotland	569	41.7	4.8	41.7	25.7	25.8	1.3	0.7	36.5	46.9
Serbia	578	48.3	4.1	48.3	20.5	24.0	2.2	0.8	40.9	55.6
Singapore	656	64.9	2.7	64.9	20.0	12.2	0.2	0.1	65.3	64.5
Slovenia	570	66.8	0.3	66.8	15.1	17.2	0.6	0.0	62.0	71.7
Sweden	719	66.0	3.0	66.0	14.6	14.5	0.8	1.0	64.1	67.7
Syrian Arab Republic	647	32.5	6.8	32.5	30.7	27.6	1.0	1.4	27.9	37.5
Thailand	775	56.2	5.4	56.2	18.3	18.2	0.4	1.5	54.9	57.4
Tunisia	589	34.5	3.8	34.5	27.0	26.8	5.6	2.3	30.8	38.6
Turkey	648	46.8	6.2	46.8	24.4	21.2	0.2	1.2	40.3	52.8
Ukraine	635	44.0	4.2	44.0	20.4	29.2	1.5	0.8	37.8	49.7
United States	1046	46.0	3.2	46.0	26.0	24.3	0.1	0.5	37.4	54.4
International Avg.	638	43.7	5.7	43.7	24.0	23.2	2.0	1.5	39.2	48.2
Basque Country, Spain	326	54.4	3.6	54.4	17.3	21.7	2.3	0.7	53.9	54.7
British Columbia, Canada	606	46.9	2.2	46.9	25.9	22.2	2.2	0.7	38.1	55.8
Dubai, UAE	449	41.3	7.8	41.3	22.4	25.4	1.1	2.0	27.7	55.6
Massachusetts, US	280	54.5	0.8	54.5	21.1	21.1	1.8	0.7	40.4	71.2
Minnesota, US	244	57.9	1.6	57.9	18.0	22.0	0.0	0.5	49.9	65.7
Ontario, Canada	482	45.2	1.9	45.2	23.6	27.2	2.0	0.1	37.0	54.2
Quebec, Canada	544	32.9	5.3	32.9	29.1	29.2	1.9	1.6	25.6	39.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Applying (S042406 - S12_16)
 Label: Direction river flows
 Type: CR Key: -

COUNTRY	N	10	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	760	5.2	13.9	2.6	13.0	49.9	12.5	3.0	5.2	2.9	7.3
Armenia	649	34.8	23.5	1.0	0.8	12.6	16.0	11.3	34.8	34.7	35.0
Australia	574	36.7	27.3	1.3	4.5	24.9	4.5	0.8	36.7	28.9	43.6
Bahrain	602	17.2	19.4	2.4	8.6	39.6	11.8	1.2	17.2	17.0	17.4
Bosnia and Herzegovina	604	25.5	29.4	2.6	3.4	22.4	15.5	1.2	25.5	20.1	30.0
Botswana	605	4.7	7.4	1.1	10.0	65.2	7.8	3.8	4.7	4.1	5.4
Bulgaria	432	28.2	41.2	0.9	4.1	6.3	16.6	2.7	28.2	24.2	32.1
Chinese Taipei	582	67.1	15.8	2.2	1.8	6.8	6.2	0.0	67.1	65.5	68.5
Colombia	693	9.2	28.6	0.5	4.3	34.0	15.4	8.1	9.2	3.0	16.1
Cyprus	630	22.8	31.5	2.0	4.1	24.1	14.8	0.7	22.8	16.5	29.3
Czech Republic	698	42.7	39.1	0.8	3.9	8.7	4.6	0.2	42.7	33.1	52.8
Egypt	944	4.6	10.3	2.4	6.2	57.1	18.4	0.9	4.6	3.6	5.6
El Salvador	590	9.4	16.3	2.0	7.9	36.2	22.9	5.2	9.4	5.0	14.3
England	592	39.3	32.2	0.4	4.6	18.8	3.6	1.2	39.3	32.7	45.4
Georgia	596	23.7	14.8	10.9	3.4	9.3	33.9	4.1	23.7	29.2	19.1
Ghana	765	3.1	5.7	0.9	4.1	37.1	40.8	8.4	3.1	1.5	4.3
Hong Kong SAR	496	47.5	20.6	1.7	7.1	14.1	8.1	0.9	47.5	42.6	52.4
Hungary	585	53.2	27.7	1.5	4.0	7.6	5.4	0.5	53.2	46.3	60.3
Indonesia	589	23.8	5.5	8.9	9.3	37.0	11.5	4.0	23.8	21.2	26.8
Iran, Islamic Rep. of	563	24.6	14.7	4.6	10.2	32.8	10.7	2.3	24.6	26.0	23.5
Israel	460	26.6	15.7	3.1	11.6	22.4	17.9	2.7	26.6	22.2	31.5
Italy	629	32.6	38.0	3.6	3.3	11.0	10.4	1.1	32.6	25.5	39.4
Japan	618	54.8	23.7	0.6	1.0	16.7	2.7	0.5	54.8	49.9	60.2
Jordan	758	14.7	16.7	2.8	26.0	30.0	8.9	0.9	14.7	10.9	18.4
Korea, Rep. of	606	49.8	28.3	2.0	0.5	16.0	3.3	0.2	49.8	44.3	55.1
Kuwait	574	16.2	8.2	2.3	7.8	42.2	19.4	3.8	16.2	14.2	18.8
Lebanon	542	13.8	16.6	2.5	6.4	27.9	29.8	3.0	13.8	10.0	17.9
Lithuania	579	27.1	49.9	0.9	2.0	15.0	4.3	0.8	27.1	20.0	34.0
Malaysia	644	25.2	25.8	2.2	3.7	32.9	8.4	1.7	25.2	21.8	28.9
Malta	665	25.0	31.6	0.0	5.6	28.1	8.4	1.4	25.0	19.6	30.6
Morocco	346	17.8	17.3	0.9	13.9	23.7	22.1	4.3	17.8	10.9	24.8
Norway	663	44.1	21.5	1.3	9.2	16.5	6.1	1.3	44.1	41.0	47.2
Oman	683	19.4	7.3	3.9	5.1	54.1	7.8	2.4	19.4	19.8	18.9
Palestinian Nat'l Auth.	628	8.0	10.6	2.4	8.2	54.8	15.1	0.9	8.0	5.5	10.6
Qatar	1024	4.5	7.9	1.0	3.5	54.5	27.1	1.5	4.5	4.4	4.6
Romania	602	45.0	19.2	0.6	2.0	21.0	10.2	2.0	45.0	42.3	47.8
Russian Federation	633	50.7	21.1	2.6	2.1	12.7	9.6	1.2	50.7	49.2	52.6
Saudi Arabia	610	10.2	10.8	4.1	6.2	58.0	10.1	0.6	10.2	11.4	9.1
Scotland	569	36.4	26.7	0.7	4.6	25.5	5.1	0.8	36.4	33.1	39.8
Serbia	581	28.4	43.9	0.7	5.5	10.9	9.4	1.1	28.4	23.8	32.9
Singapore	656	44.9	29.7	0.4	1.4	19.8	3.7	0.1	44.9	38.6	50.9
Slovenia	570	54.1	28.8	1.6	4.3	8.9	2.3	0.0	54.1	49.7	58.6
Sweden	719	44.2	19.7	0.8	1.2	25.3	7.5	1.3	44.2	41.9	46.4
Syrian Arab Republic	647	15.2	17.5	1.9	1.7	48.7	13.5	1.6	15.2	12.7	17.9
Thailand	775	26.4	4.7	11.6	9.3	27.2	19.1	1.7	26.4	25.3	27.5
Tunisia	589	13.1	14.5	3.5	22.9	33.9	9.3	2.8	13.1	7.7	19.1
Turkey	648	28.4	12.7	2.5	6.8	34.6	13.7	1.3	28.4	22.2	34.1
Ukraine	635	31.1	39.6	1.1	2.8	14.4	9.8	1.2	31.1	19.7	41.6
United States	1046	34.1	36.8	0.2	4.0	21.5	2.8	0.5	34.1	26.8	41.4
International Avg.	638	27.9	21.8	2.3	6.1	27.6	12.2	2.1	27.9	24.1	31.6
Basque Country, Spain	326	49.0	30.8	0.8	2.6	10.1	6.0	0.7	49.0	40.8	55.4
British Columbia, Canada	606	50.8	21.9	1.3	2.3	16.9	5.4	1.3	50.8	44.8	56.8
Dubai, UAE	449	25.9	23.5	1.8	10.5	22.3	13.8	2.2	25.9	25.5	26.3
Massachusetts, US	280	45.2	31.0	0.9	2.9	16.1	3.0	1.1	45.2	36.1	55.9
Minnesota, US	244	45.7	38.3	0.0	1.8	12.6	1.1	0.5	45.7	41.4	49.9
Ontario, Canada	482	41.8	20.6	1.5	4.3	25.5	6.2	0.1	41.8	35.6	48.5
Quebec, Canada	544	26.5	34.3	0.7	6.1	24.6	5.7	2.1	26.5	19.6	32.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032611 - S13_01)
 Label: Purpose of cellular respiration
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	781	33.0	33.0	8.3	46.3	7.2	5.0	0.3	33.4	32.6
Armenia	666	39.4	39.4	5.3	33.1	13.6	8.3	0.4	44.1	35.0
Australia	574	38.5	38.5	11.2	36.3	11.3	2.7	0.0	39.0	37.9
Bahrain	603	26.5	26.5	9.0	35.0	27.4	2.1	0.0	24.4	28.5
Bosnia and Herzegovina	598	30.9	30.9	3.7	41.6	17.1	6.6	0.0	32.4	29.8
Botswana	607	29.1	29.1	6.9	36.4	25.5	1.6	0.5	28.7	29.6
Bulgaria	433	42.8	42.8	4.1	34.5	13.8	4.8	0.0	42.1	43.6
Chinese Taipei	580	49.6	49.6	9.7	25.4	14.4	0.9	0.0	46.0	52.8
Colombia	697	30.8	30.8	4.9	47.8	13.2	1.9	1.3	32.3	29.2
Cyprus	630	29.1	29.1	9.5	47.0	12.4	2.0	0.0	28.9	29.4
Czech Republic	700	31.9	31.9	5.9	38.5	20.2	3.5	0.0	26.2	37.5
Egypt	937	21.5	21.5	7.5	42.3	26.6	2.1	0.0	24.9	18.1
El Salvador	586	20.5	20.5	12.8	48.3	14.9	2.6	0.9	22.2	18.4
England	575	43.0	43.0	11.1	31.2	12.7	1.8	0.1	41.2	45.0
Georgia	599	20.3	20.3	4.5	35.5	32.1	7.5	0.1	22.8	17.9
Ghana	756	35.9	35.9	7.9	23.3	29.1	2.2	1.5	35.7	36.1
Hong Kong SAR	495	45.6	45.6	14.7	24.0	14.2	1.2	0.3	43.6	47.5
Hungary	591	26.7	26.7	5.0	40.9	23.9	3.5	0.0	20.8	33.3
Indonesia	587	31.1	31.1	7.8	28.6	29.9	2.5	0.2	34.0	28.4
Iran, Islamic Rep. of	562	27.6	27.6	5.0	54.8	10.4	2.0	0.2	29.5	25.9
Israel	455	43.3	43.3	6.2	30.9	13.2	5.9	0.4	41.8	45.0
Italy	621	38.9	38.9	9.2	32.6	16.6	2.5	0.1	39.6	38.2
Japan	630	59.5	59.5	6.6	21.0	12.0	0.9	0.1	56.3	62.8
Jordan	746	31.7	31.7	13.8	29.0	23.4	2.2	0.0	29.4	33.9
Korea, Rep. of	608	65.9	65.9	2.6	11.8	19.1	0.5	0.0	62.3	69.6
Kuwait	574	17.4	17.4	6.0	51.9	19.3	5.4	0.0	17.6	17.2
Lebanon	530	32.6	32.6	6.0	39.0	14.1	7.8	0.4	33.7	31.3
Lithuania	567	51.4	51.4	3.5	11.8	31.3	1.9	0.0	48.5	54.5
Malaysia	641	39.0	39.0	10.7	28.5	20.9	0.9	0.0	37.6	40.5
Malta	666	38.8	38.8	10.5	37.7	10.2	2.7	0.2	37.4	40.1
Morocco	346	24.8	24.8	5.7	60.5	5.7	3.3	0.0	20.0	29.7
Norway	642	35.0	35.0	13.3	29.7	17.2	4.4	0.2	35.8	34.2
Oman	676	29.7	29.7	8.0	43.5	16.2	2.5	0.0	31.2	28.1
Palestinian Nat'l Auth.	621	21.6	21.6	12.5	36.6	26.0	3.3	0.0	22.0	21.2
Qatar	1030	23.4	23.4	16.1	42.8	15.5	2.2	0.0	23.1	23.7
Romania	597	21.7	21.7	4.3	48.2	21.8	3.9	0.0	18.9	24.4
Russian Federation	636	52.2	52.2	5.0	29.6	11.5	1.7	0.0	50.5	54.3
Saudi Arabia	604	35.0	35.0	2.5	38.6	22.4	1.3	0.1	33.2	36.7
Scotland	582	39.7	39.7	10.1	35.4	12.2	2.5	0.0	40.0	39.4
Serbia	574	36.8	36.8	3.7	42.2	13.9	3.4	0.0	42.8	31.3
Singapore	653	49.7	49.7	9.8	23.8	16.0	0.7	0.0	51.9	47.5
Slovenia	562	38.1	38.1	8.7	33.5	18.6	1.1	0.0	34.6	41.5
Sweden	723	31.7	31.7	11.2	31.2	23.7	2.3	0.0	26.2	37.0
Syrian Arab Republic	664	29.4	29.4	4.7	44.6	19.4	1.7	0.2	31.1	27.6
Thailand	777	20.2	20.2	10.8	50.0	16.1	2.8	0.0	16.4	24.0
Tunisia	586	40.0	40.0	4.4	34.6	13.9	6.9	0.2	39.5	40.5
Turkey	647	43.5	43.5	4.9	34.0	17.3	0.3	0.0	42.9	44.0
Ukraine	623	38.8	38.8	3.5	41.8	14.4	1.4	0.0	35.9	41.5
United States	1054	36.6	36.6	9.5	39.5	12.7	1.4	0.2	36.6	36.7
International Avg.	637	35.1	35.1	7.7	36.4	17.6	2.9	0.2	34.5	35.8
Basque Country, Spain	328	33.7	33.7	15.2	37.4	10.2	3.5	0.0	30.4	36.5
British Columbia, Canada	612	45.7	45.7	8.7	32.9	10.1	2.5	0.0	41.5	50.0
Dubai, UAE	438	44.5	44.5	8.1	33.5	11.2	2.7	0.0	42.8	46.4
Massachusetts, US	272	36.6	36.6	10.8	36.1	14.3	2.0	0.3	32.7	40.9
Minnesota, US	252	39.2	39.2	9.7	37.2	12.3	1.7	0.0	34.9	43.9
Ontario, Canada	485	35.4	35.4	8.4	42.5	12.1	1.6	0.0	27.0	44.0
Quebec, Canada	578	31.9	31.9	9.9	41.5	15.6	1.1	0.0	28.2	35.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032614 - S13_02)
 Label: Number of kidneys son has at birth
 Type: CR Key: -

COUNTRY	N	10	11	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	759	9.3	29.4	0.2	19.0	14.2	14.3	13.2	0.4	38.9	46.6	31.0
Armenia	662	34.2	9.9	1.6	38.4	3.3	4.9	7.2	0.4	45.8	54.8	37.3
Australia	574	11.4	62.1	1.4	12.5	8.1	2.0	2.5	0.0	74.9	81.7	67.8
Bahrain	603	13.1	28.7	0.7	26.2	15.9	6.2	9.2	0.0	42.5	58.2	27.4
Bosnia and Herzegovina	598	18.6	36.2	0.4	29.3	4.1	6.0	5.4	0.0	55.2	59.9	51.5
Botswana	607	3.7	24.3	0.2	30.1	19.5	18.0	3.7	0.5	28.3	29.7	26.6
Bulgaria	433	14.2	27.6	0.2	38.6	4.0	1.9	13.5	0.0	42.0	46.2	37.5
Chinese Taipei	580	32.3	36.6	1.2	18.5	9.0	0.9	1.5	0.0	70.0	75.3	65.3
Colombia	697	11.8	34.8	0.4	29.7	13.7	2.7	5.5	1.4	47.0	48.5	45.6
Cyprus	630	4.2	39.2	0.7	26.8	16.3	4.5	8.3	0.0	44.1	52.0	36.0
Czech Republic	700	22.5	49.0	0.0	21.2	4.4	1.5	1.5	0.0	71.5	78.7	64.3
Egypt	941	7.1	11.8	0.0	25.7	17.3	25.0	13.2	0.0	18.9	18.9	18.8
El Salvador	586	6.1	37.6	0.4	30.8	10.7	5.6	7.8	1.1	44.1	43.6	44.6
England	575	21.1	53.0	0.0	13.1	8.4	2.4	1.9	0.1	74.1	76.0	72.1
Georgia	599	17.9	12.4	3.1	39.8	6.2	3.7	16.0	0.8	33.5	43.0	24.7
Ghana	756	3.0	17.1	0.0	17.7	18.6	21.6	20.6	1.5	20.1	20.4	19.8
Hong Kong SAR	495	26.6	38.4	1.2	19.7	5.9	5.4	2.5	0.3	66.2	68.8	63.7
Hungary	591	27.1	37.1	0.3	18.9	11.4	2.2	2.9	0.0	64.6	71.4	56.9
Indonesia	587	17.3	23.2	1.6	20.0	17.5	14.1	6.1	0.2	42.1	44.2	40.1
Iran, Islamic Rep. of	562	18.9	27.5	1.9	28.0	13.0	6.0	4.6	0.2	48.3	49.2	47.4
Israel	455	20.6	28.8	0.9	23.8	6.0	6.2	13.0	0.7	50.3	54.1	45.9
Italy	622	26.1	19.6	2.0	32.8	7.7	3.0	8.7	0.1	47.6	51.3	44.0
Japan	630	8.9	54.8	0.0	13.1	14.8	3.9	4.3	0.1	63.7	66.6	60.7
Jordan	746	35.1	15.5	2.5	19.7	16.1	7.0	4.2	0.0	53.0	63.6	42.8
Korea, Rep. of	608	22.5	50.9	0.0	12.4	12.3	1.2	0.8	0.0	73.3	75.8	70.9
Kuwait	574	7.5	22.3	0.0	28.1	13.7	17.2	11.1	0.1	29.8	38.2	19.9
Lebanon	540	4.6	18.6	0.1	25.3	14.2	13.3	23.6	0.4	23.3	26.1	19.8
Lithuania	569	15.6	50.1	0.0	23.5	6.5	1.5	2.9	0.0	65.7	73.6	57.4
Malaysia	641	14.1	27.6	1.9	21.8	14.6	13.1	6.8	0.0	43.7	48.3	38.5
Malta	666	5.3	34.4	1.1	30.5	12.9	6.0	9.4	0.3	40.8	46.1	35.5
Morocco	349	8.4	29.0	0.0	21.5	15.8	6.1	19.2	0.0	37.4	42.4	32.3
Norway	642	10.6	40.4	0.0	23.4	15.3	6.7	3.4	0.2	51.0	61.1	41.3
Oman	676	7.8	16.5	0.0	27.8	22.6	16.8	8.4	0.1	24.4	27.2	21.3
Palestinian Nat'l Auth.	621	12.8	27.8	0.2	19.3	17.2	17.0	5.7	0.0	40.7	51.6	29.4
Qatar	1030	1.5	13.2	0.3	27.8	15.2	22.4	19.6	0.0	15.0	19.8	10.2
Romania	597	13.0	22.6	3.2	41.9	6.7	7.7	4.2	0.5	38.9	42.1	35.8
Russian Federation	636	20.8	43.6	0.0	22.1	7.0	1.8	4.4	0.3	64.4	69.2	58.7
Saudi Arabia	605	4.5	14.6	1.1	43.2	16.5	11.7	8.3	0.1	20.1	28.6	12.5
Scotland	582	7.4	47.6	0.0	25.3	13.6	3.5	2.7	0.0	55.0	60.9	48.2
Serbia	576	16.0	36.9	1.0	35.1	4.4	1.6	5.1	0.0	53.9	65.3	43.2
Singapore	653	26.6	42.3	1.4	16.2	8.9	3.4	1.1	0.0	70.3	76.9	63.8
Slovenia	562	25.6	40.1	0.0	20.5	8.7	3.5	1.6	0.0	65.7	70.2	61.2
Sweden	723	10.3	47.3	0.6	27.0	8.2	4.4	2.2	0.0	58.3	66.7	50.1
Syrian Arab Republic	664	23.1	18.5	1.3	30.1	13.4	6.6	6.7	0.4	42.8	47.5	37.6
Thailand	777	20.4	39.4	0.7	19.5	10.1	3.6	6.2	0.1	60.5	68.3	53.0
Tunisia	586	8.2	26.0	1.1	27.8	24.9	5.5	6.1	0.5	35.2	34.1	36.5
Turkey	647	28.6	27.9	0.0	24.2	11.8	2.3	5.3	0.0	56.5	58.0	55.0
Ukraine	623	18.4	30.7	3.4	25.9	11.8	3.1	6.8	0.0	52.4	62.2	43.2
United States	1054	13.5	56.8	0.5	17.0	8.0	2.7	1.3	0.2	70.8	74.2	67.1
International Avg.	637	15.5	32.2	0.8	25.1	11.9	7.2	7.1	0.2	48.5	53.8	43.1
Basque Country, Spain	328	14.1	57.7	2.3	13.7	8.9	1.8	1.5	0.0	74.1	81.6	67.9
British Columbia, Canada	612	12.0	50.1	0.8	19.0	8.4	4.6	5.0	0.0	63.0	67.5	58.4
Dubai, UAE	438	12.7	29.1	3.2	29.3	14.3	4.9	6.2	0.4	45.0	51.4	38.2
Massachusetts, US	272	19.8	57.4	0.8	13.8	3.8	2.2	1.5	0.7	78.0	79.1	76.8
Minnesota, US	252	10.5	56.6	0.7	18.3	8.3	3.3	1.8	0.5	67.9	70.9	64.5
Ontario, Canada	485	13.9	49.1	1.0	19.3	9.0	3.4	4.4	0.0	63.9	66.4	61.4
Quebec, Canada	578	20.5	49.3	0.1	18.0	5.5	4.5	2.0	0.0	70.0	71.7	68.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S032451 - S13_03)
 Label: Difference in shell colors of snails
 Type: CR Key: -

COUNTRY	N	20	21	29	10	19	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	761	5.0	5.3	1.0	9.0	2.1	3.6	35.2	38.1	0.6	22.4	11.3	9.0	13.7
Armenia	664	14.2	10.3	2.3	13.9	2.0	3.1	17.1	36.5	0.5	42.7	26.8	29.2	24.6
Australia	574	25.9	46.0	1.3	3.8	1.4	3.1	11.6	6.8	0.0	78.5	73.3	75.4	71.1
Bahrain	603	10.5	12.4	0.4	10.6	2.1	3.6	34.7	25.7	0.0	36.1	23.3	31.2	15.8
Bosnia and Herzegovina	598	15.5	23.4	0.6	6.9	0.3	3.6	14.7	34.9	0.0	46.7	39.5	42.7	37.0
Botswana	607	6.9	4.1	0.2	9.3	0.2	3.3	55.9	19.5	0.7	20.6	11.2	11.7	10.6
Bulgaria	433	13.6	33.3	0.0	4.0	0.1	4.7	11.2	33.2	0.0	50.9	46.9	48.2	45.4
Chinese Taipei	580	35.1	36.3	0.2	2.5	1.2	0.2	14.2	10.4	0.0	75.2	71.5	69.7	73.1
Colombia	697	12.9	8.7	0.0	10.2	0.2	3.5	44.3	18.3	1.8	32.0	21.6	11.9	31.5
Cyprus	630	17.3	10.1	0.1	4.4	7.8	2.6	28.3	29.4	0.0	39.7	27.5	29.8	25.1
Czech Republic	700	26.9	44.6	0.0	7.5	3.1	6.8	5.1	6.0	0.0	82.1	71.6	72.8	70.4
Egypt	942	6.5	9.1	0.0	3.6	0.0	12.0	45.2	23.7	0.0	19.1	15.5	18.4	12.6
El Salvador	586	5.7	7.4	0.0	8.5	0.2	10.7	39.2	26.8	1.5	21.8	13.1	9.9	16.9
England	575	33.6	39.6	0.0	6.7	0.3	3.4	11.5	4.7	0.1	80.2	73.2	73.5	72.8
Georgia	599	8.8	13.3	0.5	5.3	7.0	8.9	17.8	37.2	1.2	34.9	22.6	25.8	19.5
Ghana	756	1.3	1.3	0.0	3.8	0.0	2.8	36.5	52.3	2.1	6.4	2.6	2.9	2.3
Hong Kong SAR	495	32.4	26.3	0.2	11.2	0.2	1.2	13.7	14.6	0.3	70.2	58.8	63.4	54.4
Hungary	591	24.0	55.0	0.2	3.5	0.0	1.0	9.9	6.5	0.0	82.6	79.2	80.1	78.1
Indonesia	587	10.2	10.2	0.0	10.9	1.1	4.1	45.2	18.2	0.2	32.3	20.4	15.8	24.8
Iran, Islamic Rep. of	562	14.2	10.3	1.2	9.3	1.8	6.2	29.1	27.8	0.2	36.8	25.6	28.0	23.6
Israel	455	17.7	29.8	0.0	5.6	0.9	3.1	20.3	21.8	0.7	54.0	47.5	47.8	47.2
Italy	622	9.7	37.0	1.1	2.9	2.0	5.3	16.7	25.1	0.3	52.7	47.8	48.4	47.1
Japan	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Jordan	746	18.7	18.3	0.9	9.2	5.4	1.1	34.9	11.5	0.0	52.5	37.9	46.4	29.7
Korea, Rep. of	608	48.6	10.5	0.0	19.7	0.0	1.1	15.7	4.3	0.0	78.8	59.1	59.1	59.2
Kuwait	574	12.7	8.6	4.9	6.7	3.2	1.1	24.6	37.7	0.4	36.1	26.3	33.0	18.4
Lebanon	540	3.5	2.8	0.2	12.7	2.0	6.1	27.3	44.6	0.9	21.1	6.4	5.0	8.3
Lithuania	569	32.6	32.0	0.1	12.8	0.2	3.6	8.9	9.8	0.0	77.7	64.8	63.6	66.0
Malaysia	641	8.8	7.5	1.1	11.5	1.7	7.5	41.0	20.9	0.0	30.6	17.4	19.0	15.6
Malta	666	17.4	26.5	0.1	3.6	0.4	5.4	23.7	22.3	0.5	48.2	44.1	41.0	47.3
Morocco	349	2.3	2.3	1.2	6.8	3.3	1.4	30.4	52.0	0.4	15.9	5.8	3.9	7.6
Norway	642	14.6	41.3	0.0	5.0	0.0	8.2	19.3	11.4	0.2	60.9	55.9	59.8	52.1
Oman	676	7.9	9.9	0.2	20.2	0.5	6.0	40.1	15.0	0.1	38.7	18.0	22.4	13.1
Palestinian Nat'l Auth.	621	11.5	8.4	0.7	8.6	2.9	5.7	45.3	16.8	0.0	32.1	20.6	24.7	16.3
Qatar	1030	4.6	6.3	0.0	1.2	0.7	1.1	45.7	40.5	0.0	12.8	10.9	14.6	7.1
Romania	597	11.5	15.8	0.9	14.4	2.3	5.1	21.9	27.5	0.5	45.0	28.2	26.0	30.2
Russian Federation	636	36.6	37.3	0.0	6.1	0.4	6.3	5.6	7.6	0.3	80.3	73.8	71.0	77.2
Saudi Arabia	605	3.5	2.9	2.1	6.1	0.7	1.8	54.0	28.8	0.2	15.2	8.4	14.0	3.4
Scotland	582	21.2	42.5	0.0	6.2	0.0	4.7	16.2	9.1	0.0	70.0	63.7	63.0	64.5
Serbia	576	23.2	29.3	0.0	4.6	1.0	5.3	11.6	25.0	0.0	58.1	52.5	54.7	50.4
Singapore	653	37.9	26.4	0.1	9.4	1.3	3.9	14.7	6.2	0.0	75.2	64.4	64.1	64.8
Slovenia	560	32.1	28.3	0.0	15.7	0.0	4.6	12.1	7.3	0.0	76.1	60.4	65.1	55.7
Sweden	723	26.8	36.3	0.1	4.2	0.3	6.8	13.8	11.7	0.0	67.7	63.2	66.4	60.1
Syrian Arab Republic	664	18.8	19.9	1.0	2.6	2.0	1.7	27.8	25.9	0.4	44.3	39.7	40.8	38.6
Thailand	777	32.9	24.2	0.1	6.0	0.0	3.5	20.7	12.4	0.1	63.2	57.1	63.7	50.7
Tunisia	586	6.1	10.5	0.6	10.5	2.1	2.6	47.0	20.2	0.5	29.7	17.1	14.6	19.8
Turkey	647	17.9	14.0	0.2	8.3	0.3	3.2	30.4	25.6	0.0	40.8	32.2	30.3	33.9
Ukraine	623	29.5	30.8	10.7	4.6	4.8	3.8	7.3	8.5	0.0	80.4	71.0	68.3	73.5
United States	1054	28.5	42.9	0.1	3.5	0.0	2.9	18.2	3.7	0.2	75.0	71.5	71.4	71.6
International Avg.	637	17.9	21.0	0.7	7.8	1.5	4.2	25.3	21.3	0.3	48.8	39.6	40.7	38.6
Basque Country, Spain	328	17.7	25.9	1.1	5.6	1.9	12.3	20.8	14.7	0.0	52.3	44.8	32.3	55.2
British Columbia, Canada	612	24.5	45.2	0.4	5.2	0.0	3.7	12.3	8.7	0.0	75.4	70.2	75.2	65.1
Dubai, UAE	438	17.7	14.3	0.7	13.7	1.5	4.9	23.1	23.7	0.4	47.9	32.7	36.3	28.8
Massachusetts, US	272	41.5	35.2	0.0	2.5	0.0	2.4	13.0	4.7	0.7	79.1	76.7	78.4	74.8
Minnesota, US	252	30.7	46.5	0.0	3.2	0.0	4.7	11.9	2.6	0.5	80.4	77.2	81.7	72.2
Ontario, Canada	485	29.5	42.3	0.0	4.6	0.0	5.2	12.1	6.3	0.0	76.4	71.8	68.8	74.9
Quebec, Canada	578	18.7	45.7	0.3	4.3	0.0	3.7	18.1	9.1	0.0	69.1	64.7	64.0	65.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Reasoning (S032156 - S13_04)
 Label: Solubility/temperature graphs
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	779	27.6	13.5	26.0	27.6	22.7	9.0	1.2	24.9	30.3
Armenia	669	39.0	10.2	26.3	39.0	7.9	16.2	0.5	42.8	35.5
Australia	574	51.5	15.5	12.1	51.5	18.4	2.4	0.2	50.9	52.1
Bahrain	603	33.4	18.3	22.6	33.4	22.1	3.5	0.1	35.1	31.8
Bosnia and Herzegovina	598	27.8	12.8	28.0	27.8	16.7	14.7	0.0	26.9	28.5
Botswana	607	28.0	12.1	31.5	28.0	23.9	2.9	1.6	27.5	28.6
Bulgaria	433	33.7	8.8	25.2	33.7	20.9	11.3	0.1	33.4	34.1
Chinese Taipei	580	72.5	7.8	10.6	72.5	8.3	0.8	0.0	68.7	75.8
Colombia	697	22.8	12.5	40.6	22.8	18.0	3.4	2.7	19.6	25.9
Cyprus	630	29.6	17.3	27.7	29.6	20.8	4.4	0.1	28.5	30.6
Czech Republic	700	45.6	15.3	20.0	45.6	15.1	3.9	0.0	46.2	45.0
Egypt	939	43.8	16.7	23.9	43.8	12.8	2.8	0.0	45.0	42.5
El Salvador	585	16.3	19.3	38.9	16.3	18.4	5.6	1.5	17.2	15.2
England	575	66.1	9.0	8.6	66.1	13.4	2.7	0.1	69.1	62.9
Georgia	599	33.0	12.5	21.1	33.0	12.5	19.6	1.2	39.2	27.3
Ghana	756	18.1	20.6	28.0	18.1	24.1	6.9	2.3	19.3	17.3
Hong Kong SAR	495	53.2	18.2	11.8	53.2	14.9	1.1	0.7	54.4	51.9
Hungary	591	51.7	9.6	19.7	51.7	14.7	4.3	0.0	53.4	49.8
Indonesia	587	27.1	22.6	32.5	27.1	14.7	2.7	0.3	25.8	28.4
Iran, Islamic Rep. of	562	21.1	20.2	32.2	21.1	20.5	5.3	0.8	22.4	19.9
Israel	455	38.2	16.1	17.2	38.2	16.1	11.3	1.1	35.0	41.9
Italy	621	33.4	16.5	25.0	33.4	18.8	5.9	0.4	37.7	29.3
Japan	630	76.3	7.1	8.8	76.3	6.7	0.9	0.1	79.7	72.9
Jordan	746	55.1	9.7	18.0	55.1	14.1	3.1	0.0	62.6	47.8
Korea, Rep. of	608	81.5	5.9	7.7	81.5	4.7	0.2	0.0	82.3	80.7
Kuwait	574	47.8	16.5	16.3	47.8	12.9	6.2	0.4	61.0	32.2
Lebanon	534	38.3	13.4	17.9	38.3	18.7	10.8	0.9	39.0	37.3
Lithuania	569	52.3	13.0	13.9	52.3	19.0	1.8	0.0	50.6	54.1
Malaysia	641	55.0	18.1	13.8	55.0	11.8	1.2	0.2	58.3	51.2
Malta	665	42.7	15.5	19.4	42.7	17.7	4.0	0.6	45.5	39.9
Morocco	348	35.7	12.9	16.2	35.7	23.4	11.3	0.5	33.5	37.8
Norway	642	44.6	9.2	23.6	44.6	16.8	5.6	0.2	46.5	42.8
Oman	676	40.9	17.0	25.9	40.9	12.3	3.8	0.1	43.4	38.0
Palestinian Nat'l Auth.	621	41.0	16.1	19.8	41.0	19.7	3.4	0.0	42.1	39.8
Qatar	1030	21.5	26.7	23.6	21.5	22.6	5.6	0.0	19.6	23.5
Romania	596	29.0	17.7	32.9	29.0	14.1	5.8	0.5	26.1	31.8
Russian Federation	636	47.4	20.2	14.3	47.4	12.0	5.8	0.3	45.9	49.2
Saudi Arabia	605	13.7	22.3	35.9	13.7	23.5	4.3	0.3	13.0	14.2
Scotland	582	49.2	16.5	16.5	49.2	14.9	2.9	0.0	50.3	48.0
Serbia	576	28.5	12.6	30.5	28.5	17.4	11.0	0.0	25.8	30.9
Singapore	653	58.7	17.0	11.7	58.7	11.9	0.6	0.0	59.5	58.0
Slovenia	560	57.7	11.0	15.8	57.7	12.8	2.7	0.0	56.7	58.8
Sweden	723	42.1	11.2	22.2	42.1	17.9	6.5	0.0	42.6	41.7
Syrian Arab Republic	664	23.3	16.7	32.5	23.3	21.3	5.8	0.4	20.1	26.8
Thailand	777	35.6	16.0	28.9	35.6	16.7	2.6	0.1	38.8	32.6
Tunisia	586	30.1	17.4	29.0	30.1	16.1	7.0	0.5	23.6	37.0
Turkey	647	36.3	14.2	23.2	36.3	23.4	3.0	0.0	36.6	35.9
Ukraine	623	38.4	14.9	25.5	38.4	15.4	5.6	0.3	38.5	38.2
United States	1054	54.1	17.9	13.2	54.1	12.9	1.7	0.2	54.8	53.4
International Avg.	637	40.6	14.9	22.2	40.6	16.5	5.4	0.4	41.2	40.0
Basque Country, Spain	328	35.7	15.6	27.7	35.7	15.9	5.1	0.0	35.9	35.6
British Columbia, Canada	612	44.8	16.7	18.2	44.8	16.8	3.5	0.0	45.1	44.4
Dubai, UAE	438	33.8	18.4	25.9	33.8	17.0	4.4	0.5	27.8	40.2
Massachusetts, US	272	62.2	16.1	11.9	62.2	7.4	1.4	1.0	60.5	64.1
Minnesota, US	252	50.2	21.2	14.3	50.2	12.8	1.0	0.5	52.1	48.1
Ontario, Canada	485	45.6	17.1	19.0	45.6	16.0	1.8	0.4	41.0	50.3
Quebec, Canada	578	45.8	19.5	20.3	45.8	12.8	1.6	0.0	47.5	44.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S032056 - S13_05)
 Label: Sodium bicarbonate mixed in vinegar
 Type: CR Key: -

COUNTRY	N	10	11	12	19	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	772	4.2	20.0	2.8	0.5	4.5	4.9	47.4	14.4	1.2	27.5	27.8	27.3
Armenia	665	25.4	8.8	9.0	3.2	4.1	2.4	13.4	33.1	0.5	46.5	52.2	41.0
Australia	574	6.4	34.9	15.6	0.0	5.5	11.2	18.6	7.6	0.2	57.0	51.4	62.7
Bahrain	603	6.3	14.9	14.3	0.9	13.5	5.6	30.1	14.3	0.1	36.4	45.7	27.4
Bosnia and Herzegovina	598	6.7	4.3	2.0	1.0	2.8	11.0	38.9	33.4	0.0	14.0	16.2	12.2
Botswana	607	0.3	2.1	0.5	0.2	7.9	9.2	68.4	10.0	1.6	3.0	2.5	3.6
Bulgaria	433	16.3	14.0	7.8	2.0	3.3	6.7	10.0	39.9	0.1	40.1	39.6	40.6
Chinese Taipei	580	21.3	33.1	1.7	0.0	1.5	12.7	16.3	13.4	0.0	56.1	55.3	56.9
Colombia	697	0.8	22.8	3.6	0.1	4.0	16.0	33.4	16.2	3.1	27.3	23.0	31.7
Cyprus	630	3.6	9.2	5.2	0.2	11.4	3.3	32.3	34.7	0.1	18.2	18.0	18.4
Czech Republic	700	5.2	20.0	16.2	0.2	5.4	10.4	26.8	15.8	0.0	41.6	40.2	43.1
Egypt	943	16.1	3.5	8.5	0.0	9.7	8.1	43.3	10.8	0.0	28.1	31.5	24.6
El Salvador	586	2.6	10.0	14.7	0.0	5.8	8.4	37.1	19.7	1.8	27.3	29.1	25.1
England	575	8.0	38.8	20.6	0.0	3.0	9.1	14.5	5.9	0.1	67.3	69.1	65.4
Georgia	598	10.1	7.8	4.4	3.4	5.1	4.9	15.9	47.0	1.4	25.7	29.7	21.9
Ghana	756	0.7	3.2	1.5	0.0	7.1	3.3	47.6	34.4	2.3	5.3	5.4	5.3
Hong Kong SAR	495	9.8	26.7	8.3	0.6	3.9	18.1	16.2	15.6	0.7	45.5	45.8	45.1
Hungary	591	6.3	31.4	11.6	0.0	3.4	12.8	19.6	14.8	0.0	49.3	47.1	51.8
Indonesia	587	4.4	15.4	4.0	0.7	9.5	7.3	49.4	8.9	0.3	24.5	24.1	25.0
Iran, Islamic Rep. of	562	3.3	19.6	10.7	0.6	9.9	7.8	38.3	9.1	0.8	34.1	37.1	31.5
Israel	455	9.2	12.7	5.8	0.0	6.7	5.5	38.8	20.1	1.1	27.7	25.0	30.9
Italy	622	9.6	11.5	8.6	0.8	2.4	9.3	18.7	38.7	0.4	30.5	30.5	30.4
Japan	630	17.0	28.8	6.4	0.0	1.9	9.9	22.0	13.8	0.1	52.3	49.6	55.1
Jordan	746	5.8	17.2	12.2	0.7	19.1	3.5	35.0	6.5	0.0	35.9	42.6	29.5
Korea, Rep. of	608	11.6	19.7	4.8	0.0	5.4	8.6	36.7	13.2	0.0	36.2	34.6	37.7
Kuwait	574	3.4	5.7	10.8	1.2	7.8	5.6	41.1	23.7	0.8	21.0	26.1	15.0
Lebanon	540	14.7	15.9	5.1	1.3	6.9	2.0	35.2	17.7	1.1	37.0	37.8	35.9
Lithuania	569	1.5	24.8	16.5	0.0	3.5	16.2	18.8	18.7	0.0	42.8	42.5	43.1
Malaysia	641	5.7	15.9	2.2	0.5	8.1	11.7	41.8	13.3	0.7	24.3	23.9	24.8
Malta	665	3.2	9.8	9.8	0.0	5.8	12.2	36.7	21.8	0.6	22.8	20.4	25.2
Morocco	349	3.5	11.7	4.1	0.6	3.3	9.1	49.7	17.4	0.5	20.0	19.2	20.8
Norway	642	4.4	18.4	7.8	0.0	10.2	12.5	28.4	18.1	0.2	30.5	26.9	34.0
Oman	676	4.6	7.8	9.7	0.5	9.5	4.4	54.5	9.0	0.1	22.6	23.0	22.1
Palestinian Nat'l Auth.	620	5.7	11.6	6.0	1.8	8.0	5.4	50.7	10.6	0.3	25.0	28.8	21.1
Qatar	1030	2.4	4.0	6.1	0.1	5.0	7.5	49.1	25.9	0.0	12.6	14.8	10.3
Romania	597	14.3	11.5	8.2	2.5	5.3	2.7	33.0	22.0	0.5	36.5	38.0	35.2
Russian Federation	636	14.8	32.4	3.5	0.0	1.5	12.0	17.5	18.0	0.3	50.8	45.8	56.7
Saudi Arabia	605	2.2	4.9	10.0	0.6	14.1	8.1	46.3	13.4	0.3	17.8	24.6	11.6
Scotland	582	2.5	27.1	12.8	0.0	5.6	11.8	26.3	13.6	0.2	42.5	42.9	42.0
Serbia	576	3.9	6.8	8.9	0.1	5.5	12.4	25.1	37.2	0.0	19.7	17.7	21.6
Singapore	653	21.8	21.2	11.4	0.0	6.8	13.7	20.7	4.4	0.0	54.4	53.7	55.1
Slovenia	561	9.6	17.2	15.8	0.4	1.9	20.1	23.7	11.3	0.0	42.9	36.0	49.9
Sweden	723	3.4	17.3	8.6	0.0	7.6	13.0	28.1	21.9	0.0	29.3	25.2	33.3
Syrian Arab Republic	664	7.4	8.9	6.2	0.7	10.7	15.7	31.2	18.8	0.4	23.2	21.4	25.3
Thailand	777	3.4	19.1	10.1	0.0	7.6	5.6	38.6	15.4	0.3	32.6	34.5	30.7
Tunisia	586	2.6	13.8	1.2	0.4	6.7	16.0	44.9	13.7	0.8	17.9	11.6	24.7
Turkey	647	4.8	15.8	2.4	0.0	8.2	19.9	29.4	19.4	0.0	23.0	20.3	25.5
Ukraine	623	5.9	19.5	8.8	1.3	1.6	23.2	23.1	16.3	0.3	35.5	32.8	37.9
United States	1054	5.3	19.4	16.1	1.1	8.8	11.4	32.8	4.7	0.4	41.9	35.0	49.2
International Avg.	637	7.4	16.1	8.2	0.6	6.5	9.8	32.6	18.3	0.5	32.3	32.2	32.6
Basque Country, Spain	328	4.2	24.9	9.9	0.5	4.8	9.9	28.5	17.4	0.0	39.5	35.2	43.1
British Columbia, Canada	612	9.5	17.5	28.4	0.0	6.0	7.0	21.4	10.2	0.0	55.4	53.6	57.2
Dubai, UAE	438	9.5	21.6	10.8	0.3	9.8	7.8	22.8	16.9	0.5	42.2	48.3	35.8
Massachusetts, US	272	4.0	25.1	16.5	0.7	8.8	12.0	26.0	5.9	1.0	46.3	46.3	46.3
Minnesota, US	252	3.8	18.6	17.1	0.2	9.2	12.4	33.8	4.4	0.5	39.7	32.8	47.2
Ontario, Canada	485	7.3	20.3	23.2	0.0	7.4	9.8	21.4	10.2	0.4	50.8	47.0	54.6
Quebec, Canada	578	3.7	14.1	21.8	0.0	5.2	10.9	29.5	14.6	0.1	39.6	36.7	42.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032087 - S13_06)
 Label: Long-term immunity against disease
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	779	28.3	11.9	27.1	28.3	26.9	4.2	1.5	24.3	32.3
Armenia	668	57.4	13.8	13.2	57.4	11.0	3.9	0.7	64.0	51.3
Australia	573	54.8	10.0	15.3	54.8	18.0	1.6	0.2	57.6	52.0
Bahrain	603	45.2	25.5	13.5	45.2	15.2	0.3	0.2	54.7	36.1
Bosnia and Herzegovina	598	55.3	9.6	19.0	55.3	14.7	1.4	0.0	56.9	54.1
Botswana	607	7.9	15.2	35.5	7.9	37.2	2.1	2.1	10.3	5.2
Bulgaria	433	58.7	10.2	12.7	58.7	14.3	3.8	0.3	64.7	52.2
Chinese Taipei	580	50.4	29.6	7.9	50.4	12.1	0.0	0.0	39.3	60.2
Colombia	697	41.0	16.3	13.5	41.0	24.4	1.3	3.5	37.7	44.4
Cyprus	630	51.6	7.4	19.6	51.6	20.9	0.3	0.1	52.2	51.0
Czech Republic	700	48.3	0.9	41.0	48.3	7.4	2.4	0.0	47.0	49.6
Egypt	937	11.1	13.3	41.2	11.1	33.9	0.6	0.0	10.8	11.4
El Salvador	585	28.4	8.7	24.7	28.4	33.1	2.0	3.1	27.9	29.1
England	575	59.3	15.6	9.1	59.3	15.6	0.3	0.1	56.3	62.5
Georgia	598	48.7	17.0	20.0	48.7	8.1	4.7	1.4	46.3	51.0
Ghana	756	9.1	17.1	35.1	9.1	34.7	1.6	2.5	10.4	8.1
Hong Kong SAR	495	48.0	19.8	6.6	48.0	24.2	0.7	0.7	42.5	53.4
Hungary	591	37.3	12.0	33.5	37.3	16.0	1.2	0.0	40.2	33.9
Indonesia	587	16.4	28.9	32.9	16.4	20.8	0.5	0.5	18.0	14.9
Iran, Islamic Rep. of	562	64.8	8.0	10.2	64.8	15.9	0.5	0.8	68.0	62.0
Israel	455	64.1	6.7	12.5	64.1	13.0	2.6	1.1	68.5	59.1
Italy	620	76.3	7.2	7.3	76.3	8.2	0.6	0.4	76.4	76.2
Japan	630	51.5	26.6	7.0	51.5	14.4	0.4	0.1	48.5	54.6
Jordan	746	22.1	22.4	24.5	22.1	29.9	1.0	0.0	20.7	23.5
Korea, Rep. of	608	36.0	38.9	7.9	36.0	17.0	0.2	0.0	36.0	35.9
Kuwait	574	24.1	19.2	25.4	24.1	27.2	3.0	1.1	25.3	22.7
Lebanon	531	53.4	19.9	13.1	53.4	10.7	1.4	1.6	54.1	52.6
Lithuania	555	21.6	8.2	39.2	21.6	30.8	0.2	0.0	18.8	24.5
Malaysia	641	13.2	38.7	26.5	13.2	20.0	0.6	0.8	12.7	13.8
Malta	663	25.9	15.1	34.1	25.9	22.2	1.9	0.8	27.1	24.7
Morocco	337	41.8	11.9	14.4	41.8	29.0	2.4	0.5	39.9	43.6
Norway	642	63.7	15.8	9.5	63.7	8.6	2.1	0.4	59.0	68.2
Oman	676	17.0	27.8	24.8	17.0	28.6	1.6	0.1	19.5	14.3
Palestinian Nat'l Auth.	620	17.3	32.4	18.2	17.3	30.7	1.2	0.3	19.1	15.4
Qatar	1030	24.2	18.5	27.7	24.2	28.2	1.4	0.0	25.4	22.9
Romania	597	33.9	10.4	13.1	33.9	40.0	2.1	0.5	31.9	35.7
Russian Federation	636	35.4	4.6	50.2	35.4	7.6	1.9	0.3	35.9	34.9
Saudi Arabia	604	12.5	17.9	35.5	12.5	32.8	0.9	0.3	14.0	11.2
Scotland	582	39.7	11.2	21.7	39.7	25.6	1.5	0.4	42.7	36.4
Serbia	571	60.7	4.3	15.9	60.7	18.1	1.0	0.0	65.2	56.5
Singapore	653	44.8	20.5	20.7	44.8	13.9	0.2	0.0	38.3	51.2
Slovenia	562	50.9	10.5	32.1	50.9	4.6	1.9	0.0	49.6	52.3
Sweden	723	75.6	7.9	5.8	75.6	9.3	1.2	0.2	75.5	75.8
Syrian Arab Republic	664	62.8	6.6	11.3	62.8	16.9	1.8	0.6	61.6	64.1
Thailand	777	49.8	4.7	8.9	49.8	35.7	0.6	0.3	47.4	52.2
Tunisia	586	67.0	4.1	12.0	67.0	11.4	4.7	0.8	66.4	67.7
Turkey	647	58.9	12.3	14.7	58.9	14.0	0.1	0.0	58.6	59.2
Ukraine	623	25.5	2.9	59.1	25.5	9.6	2.7	0.3	27.1	24.0
United States	1054	51.2	15.7	12.7	51.2	19.3	0.6	0.5	49.3	53.2
International Avg.	636	41.7	15.0	21.2	41.7	20.0	1.5	0.6	41.7	41.7
Basque Country, Spain	328	60.7	5.5	10.5	60.7	22.6	0.7	0.0	58.1	62.9
British Columbia, Canada	612	56.6	15.0	12.2	56.6	15.0	1.2	0.0	57.3	55.8
Dubai, UAE	438	49.9	15.2	14.2	49.9	18.9	1.3	0.5	51.2	48.6
Massachusetts, US	272	62.5	10.0	8.4	62.5	16.6	1.5	1.0	60.6	64.7
Minnesota, US	252	53.7	16.6	10.0	53.7	18.4	0.7	0.5	49.8	58.0
Ontario, Canada	485	50.5	12.0	12.5	50.5	22.4	2.2	0.4	47.9	53.1
Quebec, Canada	578	52.2	8.3	9.4	52.2	27.4	2.2	0.5	47.9	56.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S032279 - S13_07)
 Label: Why bottle collapses in the valley
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	10.6	24.3	35.1	23.3	10.6	4.9	1.8	13.4	7.8
Armenia	667	33.9	6.4	14.4	35.8	33.9	8.7	0.7	32.3	35.4
Australia	574	30.8	6.0	9.1	52.4	30.8	1.5	0.2	30.1	31.4
Bahrain	603	26.5	16.8	24.2	31.2	26.5	1.0	0.2	28.5	24.7
Bosnia and Herzegovina	598	21.5	16.4	14.9	42.3	21.5	5.0	0.0	22.2	20.9
Botswana	607	17.2	22.7	36.8	16.8	17.2	3.5	3.0	17.8	16.5
Bulgaria	433	26.3	7.1	17.7	42.7	26.3	6.0	0.3	29.2	23.1
Chinese Taipei	580	46.7	4.5	5.3	43.5	46.7	0.0	0.0	43.3	49.7
Colombia	697	25.7	14.1	29.1	23.6	25.7	3.5	3.9	25.5	26.0
Cyprus	630	25.6	12.3	14.7	45.5	25.6	1.8	0.1	26.2	25.0
Czech Republic	699	36.1	6.2	7.5	49.1	36.1	1.1	0.0	33.1	39.0
Egypt	939	20.4	19.9	33.9	23.9	20.4	1.8	0.0	20.6	20.2
El Salvador	585	23.4	18.1	29.8	20.9	23.4	4.0	3.8	22.6	24.4
England	575	32.9	4.4	7.7	54.3	32.9	0.6	0.1	30.3	35.6
Georgia	599	26.3	16.7	16.3	32.7	26.3	6.2	1.8	23.2	29.3
Ghana	756	21.8	18.1	33.4	19.8	21.8	4.2	2.7	25.1	19.3
Hong Kong SAR	495	53.1	4.5	5.1	36.0	53.1	0.6	0.7	51.5	54.6
Hungary	591	33.5	5.2	13.8	46.5	33.5	1.0	0.0	28.6	38.9
Indonesia	586	26.1	19.1	21.8	31.3	26.1	1.2	0.5	25.0	27.2
Iran, Islamic Rep. of	562	32.0	18.2	17.5	29.6	32.0	1.8	0.8	32.1	32.0
Israel	454	29.6	9.6	15.1	39.4	29.6	4.8	1.4	29.1	30.2
Italy	621	35.4	7.7	9.4	45.3	35.4	1.8	0.4	37.0	34.0
Japan	630	57.9	1.7	3.9	36.0	57.9	0.4	0.1	53.5	62.4
Jordan	746	35.7	14.3	22.6	26.4	35.7	0.8	0.2	35.7	35.7
Korea, Rep. of	608	43.2	4.2	4.3	48.4	43.2	0.0	0.0	40.7	45.6
Kuwait	574	20.2	14.4	20.4	40.9	20.2	3.0	1.1	23.7	16.0
Lebanon	530	24.4	11.5	26.1	28.8	24.4	7.6	1.6	23.4	25.6
Lithuania	566	32.1	5.6	8.6	52.8	32.1	0.9	0.0	31.0	33.2
Malaysia	641	37.0	12.7	16.0	32.7	37.0	0.6	1.0	38.7	35.2
Malta	664	24.7	12.2	21.4	38.9	24.7	2.0	0.8	22.8	26.6
Morocco	344	27.8	16.3	23.7	27.8	27.8	3.9	0.5	27.3	28.3
Norway	642	36.8	5.1	5.8	49.6	36.8	2.3	0.4	34.2	39.3
Oman	676	25.5	18.3	25.2	28.3	25.5	2.4	0.3	26.6	24.3
Palestinian Nat'l Auth.	620	27.1	18.8	27.1	25.3	27.1	1.2	0.5	29.9	24.1
Qatar	1030	21.9	17.1	26.8	32.3	21.9	1.8	0.0	22.3	21.5
Romania	594	22.8	15.7	20.7	39.0	22.8	1.2	0.5	19.6	25.8
Russian Federation	636	35.2	7.4	11.8	44.0	35.2	1.5	0.3	31.9	39.1
Saudi Arabia	605	18.2	22.8	29.3	28.0	18.2	1.3	0.3	19.5	17.1
Scotland	582	31.0	5.2	8.9	53.1	31.0	1.3	0.5	29.8	32.4
Serbia	568	18.8	10.6	15.2	54.2	18.8	1.2	0.0	19.0	18.6
Singapore	653	34.1	6.7	12.5	46.7	34.1	0.0	0.0	31.3	36.9
Slovenia	562	50.2	3.2	8.0	36.7	50.2	1.8	0.2	46.0	54.5
Sweden	723	42.4	2.6	5.2	48.0	42.4	1.7	0.2	38.9	45.7
Syrian Arab Republic	664	30.0	16.7	19.2	31.7	30.0	1.8	0.6	30.7	29.2
Thailand	777	38.2	9.0	9.9	42.1	38.2	0.6	0.3	34.0	42.3
Tunisia	586	31.8	8.4	15.1	37.4	31.8	6.1	1.1	33.3	30.1
Turkey	647	36.0	8.2	25.2	30.0	36.0	0.6	0.0	35.7	36.2
Ukraine	623	34.4	6.1	10.4	47.0	34.4	1.9	0.3	31.3	37.3
United States	1054	34.9	5.1	9.1	49.4	34.9	1.0	0.5	30.4	39.6
International Avg.	636	30.8	11.4	17.2	37.6	30.8	2.3	0.7	30.0	31.6
Basque Country, Spain	328	29.8	12.1	14.4	42.7	29.8	1.0	0.0	31.6	28.2
British Columbia, Canada	612	35.9	3.3	7.5	50.8	35.9	2.5	0.0	30.8	41.0
Dubai, UAE	438	28.1	11.5	19.8	38.6	28.1	1.2	0.8	27.7	28.5
Massachusetts, US	272	44.0	3.3	7.4	43.2	44.0	0.3	1.7	38.2	50.4
Minnesota, US	252	41.1	3.6	6.2	47.9	41.1	0.3	0.9	40.1	42.1
Ontario, Canada	485	35.8	3.7	7.0	49.7	35.8	2.8	1.0	29.2	42.4
Quebec, Canada	578	29.8	5.6	10.4	51.6	29.8	2.0	0.6	24.3	35.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S032238 - S13_08)
 Label: Gaps between metal rail spans
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	780	28.6	28.6	12.6	41.3	9.1	5.3	3.1	23.0	34.4
Armenia	669	47.5	47.5	11.4	5.5	27.7	7.0	0.8	48.4	46.7
Australia	574	52.6	52.6	3.1	15.2	28.0	0.9	0.2	46.5	58.9
Bahrain	603	42.1	42.1	14.8	33.0	9.5	0.5	0.2	45.3	39.0
Bosnia and Herzegovina	598	20.8	20.8	4.1	23.4	46.1	5.7	0.0	20.9	20.7
Botswana	607	21.9	21.9	7.7	29.0	33.9	3.2	4.3	20.8	23.2
Bulgaria	433	47.4	47.4	8.4	13.0	27.9	3.2	0.3	43.1	52.1
Chinese Taipei	580	82.4	82.4	2.4	11.7	3.5	0.0	0.0	81.0	83.6
Colombia	697	12.9	12.9	8.0	38.5	33.4	2.3	4.8	11.8	14.0
Cyprus	630	57.5	57.5	13.0	12.7	15.1	1.6	0.1	55.2	59.9
Czech Republic	699	55.7	55.7	10.8	24.0	8.4	1.1	0.0	50.3	61.0
Egypt	936	43.6	43.6	16.6	14.4	23.7	1.7	0.0	37.0	50.4
El Salvador	585	9.9	9.9	8.6	35.3	40.1	1.9	4.3	9.2	10.8
England	575	51.0	51.0	6.4	16.2	25.6	0.6	0.1	41.7	61.0
Georgia	599	30.8	30.8	7.2	18.5	33.3	8.1	2.0	29.3	32.2
Ghana	756	16.9	16.9	14.5	30.0	32.8	3.0	2.8	10.3	21.8
Hong Kong SAR	495	68.8	68.8	3.8	8.7	17.2	0.7	0.7	67.6	69.9
Hungary	591	65.7	65.7	8.2	9.1	15.2	1.8	0.0	63.4	68.4
Indonesia	586	51.4	51.4	8.5	26.4	12.4	0.7	0.6	50.2	52.6
Iran, Islamic Rep. of	562	28.3	28.3	16.3	27.7	25.5	1.4	0.8	25.7	30.4
Israel	454	28.6	28.6	4.1	34.7	28.3	2.4	2.0	25.8	31.8
Italy	619	34.3	34.3	4.5	33.3	23.8	3.7	0.4	34.0	34.5
Japan	630	56.0	56.0	10.4	11.6	21.3	0.4	0.1	47.4	65.0
Jordan	746	47.6	47.6	9.6	17.7	23.3	1.5	0.2	53.1	42.3
Korea, Rep. of	608	61.0	61.0	8.9	14.7	15.0	0.3	0.0	60.8	61.2
Kuwait	574	60.0	60.0	15.1	11.7	9.6	2.5	1.1	62.3	57.2
Lebanon	533	26.9	26.9	13.7	19.3	30.5	7.8	1.8	23.8	30.7
Lithuania	567	66.3	66.3	8.9	18.0	6.8	0.0	0.0	62.8	69.9
Malaysia	641	70.3	70.3	7.7	8.5	11.9	0.2	1.4	68.9	71.7
Malta	665	32.2	32.2	8.4	24.7	32.2	1.7	0.8	26.6	37.9
Morocco	348	19.5	19.5	10.0	47.6	18.7	3.3	0.9	16.5	22.4
Norway	642	47.0	47.0	9.7	26.2	15.2	1.5	0.4	44.8	49.1
Oman	676	48.2	48.2	12.1	16.2	22.0	1.1	0.3	50.8	45.4
Palestinian Nat'l Auth.	620	39.6	39.6	13.6	24.3	21.5	0.6	0.5	41.3	37.9
Qatar	1030	35.7	35.7	21.7	27.6	13.4	1.6	0.0	33.7	37.8
Romania	595	43.7	43.7	4.9	16.3	32.0	2.6	0.5	39.9	47.3
Russian Federation	636	30.0	30.0	6.4	27.6	33.0	2.3	0.6	27.1	33.4
Saudi Arabia	605	49.9	49.9	16.6	21.7	10.5	0.9	0.3	47.9	51.7
Scotland	582	54.2	54.2	7.0	13.5	23.5	1.2	0.5	55.3	52.9
Serbia	572	21.6	21.6	4.9	27.2	44.2	2.1	0.0	18.5	24.4
Singapore	653	81.2	81.2	3.1	8.7	7.0	0.0	0.0	81.4	81.1
Slovenia	562	25.1	25.1	5.2	27.8	40.2	1.5	0.2	21.4	28.8
Sweden	723	44.5	44.5	6.5	19.7	26.7	2.3	0.4	42.6	46.4
Syrian Arab Republic	664	58.6	58.6	13.5	20.7	4.5	2.1	0.6	51.0	67.1
Thailand	777	34.0	34.0	5.5	41.3	17.3	1.5	0.4	30.9	37.0
Tunisia	586	26.9	26.9	3.2	30.9	32.4	5.0	1.6	21.1	33.2
Turkey	647	42.6	42.6	8.8	14.4	33.1	1.1	0.0	42.4	42.7
Ukraine	623	25.1	25.1	5.0	29.7	38.6	1.3	0.3	22.9	27.3
United States	1054	27.7	27.7	11.3	26.6	33.0	0.7	0.7	21.3	34.5
International Avg.	636	42.3	42.3	9.1	22.4	23.2	2.1	0.8	39.9	44.8
Basque Country, Spain	328	58.0	58.0	8.0	15.1	17.7	1.2	0.0	58.5	57.6
British Columbia, Canada	612	42.1	42.1	10.8	19.5	26.0	1.2	0.5	39.2	45.0
Dubai, UAE	438	55.5	55.5	11.9	15.1	15.5	1.2	0.8	56.8	54.2
Massachusetts, US	272	33.1	33.1	12.1	23.6	28.7	0.8	1.7	26.6	40.4
Minnesota, US	252	35.0	35.0	12.9	21.3	29.1	0.8	0.9	32.0	38.4
Ontario, Canada	485	37.7	37.7	11.3	23.4	24.5	1.8	1.3	34.0	41.4
Quebec, Canada	578	25.5	25.5	10.6	19.9	40.9	2.5	0.6	21.7	29.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S032369 - S13_09)
 Label: Sound from electric bell inside jar
 Type: CR Key: -

COUNTRY	N	20	29	10	11	19	70	71	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	771	5.2	0.0	7.1	3.3	0.0	18.6	5.4	31.9	25.5	3.1	15.6	5.2	6.3	4.2
Armenia	668	13.5	4.0	17.9	5.4	2.3	1.5	1.1	15.2	38.1	0.8	43.2	17.5	18.4	16.8
Australia	574	15.8	0.0	8.2	10.7	0.1	8.7	20.4	24.1	11.9	0.2	34.8	15.8	10.2	21.5
Bahrain	603	20.7	1.0	6.0	10.7	2.4	9.1	8.3	22.1	19.3	0.5	40.6	21.7	29.9	13.7
Bosnia and Herzegovina	598	7.0	1.0	19.3	18.6	0.9	2.1	4.9	13.2	33.0	0.0	46.8	8.0	7.7	8.3
Botswana	607	5.7	0.2	5.4	7.3	0.2	6.6	14.7	40.8	14.1	5.1	18.8	5.9	4.9	7.1
Bulgaria	433	13.0	0.1	17.7	8.2	0.1	5.1	1.6	13.0	40.9	0.3	39.1	13.1	11.6	14.7
Chinese Taipei	580	53.1	1.1	11.0	11.1	1.9	2.8	2.2	7.4	9.5	0.0	78.2	54.2	50.1	57.8
Colombia	697	4.0	0.3	5.0	8.1	1.3	3.8	11.6	34.9	25.8	5.3	18.6	4.2	3.2	5.2
Cyprus	630	5.8	0.0	4.9	5.3	7.6	7.1	10.4	22.9	35.7	0.2	23.6	5.8	4.9	6.7
Czech Republic	699	21.6	0.0	18.7	15.2	1.1	4.4	3.5	17.7	17.8	0.0	56.7	21.6	20.9	22.3
Egypt	943	13.2	0.0	9.1	12.1	0.0	11.8	3.9	33.6	16.3	0.0	34.4	13.2	13.4	13.0
El Salvador	586	2.8	0.5	3.1	2.9	0.0	3.7	7.6	44.8	30.3	4.4	9.2	3.3	2.6	4.1
England	575	32.1	0.0	10.4	22.5	0.1	4.7	11.7	13.7	4.6	0.1	65.1	32.1	26.1	38.5
Georgia	599	3.1	1.5	8.4	13.1	6.0	4.5	1.3	11.9	48.1	2.2	32.1	4.6	6.5	2.7
Ghana	756	2.2	0.1	3.3	2.9	0.0	4.1	4.3	34.6	45.7	2.8	8.5	2.3	1.7	2.7
Hong Kong SAR	495	44.9	0.2	4.8	20.1	0.4	4.4	2.0	12.5	10.0	0.7	70.4	45.1	43.4	46.8
Hungary	591	31.8	0.0	11.4	5.8	0.1	5.5	7.8	16.2	21.4	0.0	49.1	31.8	32.0	31.6
Indonesia	586	5.7	0.0	7.4	5.4	0.6	3.7	20.1	43.0	13.2	0.9	19.0	5.7	4.7	6.7
Iran, Islamic Rep. of	562	8.4	0.2	8.5	16.8	0.5	8.5	7.7	22.3	26.4	0.8	34.4	8.6	10.7	6.8
Israel	454	11.5	0.3	16.8	9.1	0.2	4.9	4.0	21.5	29.7	2.0	37.9	11.8	10.0	13.8
Italy	622	13.2	0.8	7.9	6.4	0.2	3.7	7.7	18.1	41.6	0.4	28.4	13.9	12.8	15.0
Japan	630	58.1	0.0	4.9	9.2	0.4	2.4	6.1	10.8	8.1	0.1	72.5	58.1	54.2	62.3
Jordan	746	39.4	2.6	6.7	5.8	1.4	6.9	5.7	20.1	10.9	0.4	56.0	42.1	49.7	34.7
Korea, Rep. of	608	42.4	0.0	4.1	14.5	0.0	7.9	3.4	18.4	9.3	0.0	61.0	42.4	35.8	49.0
Kuwait	574	19.8	1.6	8.7	2.3	4.4	6.7	1.8	28.7	24.8	1.2	36.8	21.4	25.8	16.2
Lebanon	540	13.0	3.3	7.0	3.8	0.6	4.3	3.8	29.6	32.7	2.0	27.7	16.3	17.2	15.2
Lithuania	569	34.1	0.3	18.9	15.6	0.5	6.8	2.4	8.3	13.1	0.0	69.3	34.4	31.9	36.9
Malaysia	641	11.2	0.7	7.1	13.3	1.3	10.8	16.6	27.5	10.1	1.4	33.6	11.9	12.0	11.7
Malta	666	9.8	0.3	17.2	12.8	0.6	4.9	13.5	22.5	17.5	0.9	40.6	10.1	8.3	11.9
Morocco	349	6.6	0.4	10.3	12.8	2.0	5.2	3.3	21.5	37.0	0.9	32.1	7.0	10.6	3.5
Norway	642	12.9	0.0	11.6	12.7	0.0	10.3	9.3	23.0	19.7	0.5	37.3	12.9	10.3	15.4
Oman	676	19.2	0.2	4.4	16.6	0.8	9.3	4.5	35.9	8.8	0.3	41.3	19.5	24.7	13.6
Palestinian Nat'l Auth.	621	26.9	1.6	6.2	10.0	1.7	3.3	6.9	32.6	10.3	0.5	46.4	28.5	37.4	19.2
Qatar	1030	5.1	0.6	8.8	4.9	0.1	2.3	3.3	44.0	31.0	0.0	19.5	5.7	6.3	5.1
Romania	597	12.4	0.1	9.3	4.9	1.7	5.4	5.9	33.9	25.9	0.5	28.4	12.5	10.2	14.6
Russian Federation	636	19.5	0.0	19.3	20.6	0.0	5.3	3.3	10.5	20.5	1.0	59.4	19.5	16.1	23.3
Saudi Arabia	605	10.7	0.0	11.3	11.1	0.3	5.2	1.3	43.2	16.6	0.3	33.5	10.7	14.2	7.5
Scotland	582	21.9	0.0	11.4	15.3	0.9	7.0	13.3	16.4	13.1	0.7	49.6	21.9	22.5	21.3
Serbia	576	15.4	1.8	14.5	14.0	0.9	3.7	5.2	12.1	32.5	0.0	46.5	17.1	18.8	15.6
Singapore	653	37.0	0.0	10.0	6.4	0.1	5.9	14.1	19.4	7.0	0.0	53.6	37.0	32.0	42.0
Slovenia	562	29.4	0.1	21.1	18.1	1.1	1.4	5.4	13.9	9.2	0.2	69.9	29.5	27.9	31.0
Sweden	723	14.3	0.2	6.7	8.1	0.6	6.8	12.9	24.8	25.1	0.6	29.9	14.5	11.7	17.2
Syrian Arab Republic	661	27.5	0.2	12.2	2.5	5.5	4.8	0.7	28.6	17.0	1.0	47.9	27.7	25.9	29.7
Thailand	777	8.1	0.2	6.1	13.8	0.1	7.3	12.7	25.9	25.3	0.5	28.4	8.3	8.2	8.4
Tunisia	586	9.6	0.9	12.4	15.2	0.3	14.4	10.2	18.0	17.0	1.8	38.5	10.6	6.3	15.2
Turkey	647	17.8	0.2	10.1	13.4	0.2	2.7	12.1	23.2	20.3	0.0	41.7	18.0	15.9	20.0
Ukraine	623	15.1	4.4	15.8	14.9	11.0	0.6	2.7	13.8	21.4	0.3	61.2	19.5	13.5	25.2
United States	1054	13.0	0.8	11.2	10.4	0.1	10.0	17.7	28.7	7.4	0.8	35.4	13.7	9.1	18.7
International Avg.	637	18.0	0.7	10.2	10.7	1.3	5.9	7.4	23.5	21.4	0.9	40.9	18.7	18.1	19.3
Basque Country, Spain	328	17.1	0.3	7.3	9.6	1.3	4.1	13.2	22.2	24.9	0.0	35.6	17.3	14.8	19.5
British Columbia, Canada	612	13.3	0.0	10.0	7.6	0.0	10.3	15.2	24.0	19.2	0.5	30.8	13.3	11.3	15.3
Dubai, UAE	438	18.3	0.3	7.9	15.5	0.6	7.0	7.8	20.0	21.5	1.1	42.5	18.6	21.5	15.5
Massachusetts, US	272	19.9	1.2	5.7	8.9	0.4	11.6	19.5	23.3	7.7	1.7	36.2	21.1	19.0	23.5
Minnesota, US	252	11.2	0.0	11.0	11.1	0.3	7.6	28.1	25.0	4.8	0.9	33.6	11.2	10.6	11.9
Ontario, Canada	485	16.3	0.0	6.9	9.7	0.3	10.8	18.5	21.0	15.2	1.3	33.1	16.3	14.5	18.1
Quebec, Canada	578	11.1	0.5	7.6	11.7	0.0	8.5	11.5	29.5	18.9	0.6	30.9	11.6	8.3	15.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S032160 - S13_10)
 Label: Difference between planets and moons
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	42.9	7.1	18.4	42.9	23.5	4.6	3.5	44.1	41.7
Armenia	668	60.5	6.0	11.3	60.5	10.6	10.5	1.2	57.7	63.0
Australia	574	70.2	4.1	17.8	70.2	6.8	0.5	0.7	72.8	67.4
Bahrain	603	61.4	6.2	11.8	61.4	18.6	1.3	0.8	63.8	59.0
Bosnia and Herzegovina	598	57.3	10.1	12.4	57.3	16.7	3.2	0.2	63.1	52.7
Botswana	604	28.1	16.9	25.7	28.1	20.4	2.0	6.8	27.6	28.8
Bulgaria	433	61.8	7.5	7.7	61.8	17.6	5.0	0.4	66.6	56.6
Chinese Taipei	580	69.2	7.6	13.6	69.2	9.2	0.3	0.0	70.8	67.9
Colombia	697	59.0	5.7	9.5	59.0	17.3	2.3	6.4	63.4	54.4
Cyprus	630	61.3	10.8	9.7	61.3	16.9	1.1	0.2	67.7	54.9
Czech Republic	700	69.5	7.6	15.0	69.5	6.5	1.3	0.0	70.9	68.2
Egypt	937	58.6	3.8	13.2	58.6	22.0	2.0	0.4	57.6	59.7
El Salvador	585	45.4	12.9	10.9	45.4	21.8	3.7	5.2	43.5	47.7
England	575	77.0	4.9	12.2	77.0	4.6	1.2	0.1	75.4	78.7
Georgia	599	42.8	5.9	7.4	42.8	35.1	6.4	2.3	48.1	38.0
Ghana	756	36.5	20.4	18.8	36.5	16.7	4.3	3.4	37.0	36.2
Hong Kong SAR	495	75.1	4.8	7.6	75.1	10.4	1.4	0.7	79.2	71.0
Hungary	591	66.8	9.0	17.1	66.8	5.6	1.5	0.0	65.9	67.9
Indonesia	587	41.7	5.7	34.4	41.7	16.1	1.1	1.1	43.7	39.8
Iran, Islamic Rep. of	562	47.7	6.9	25.5	47.7	17.6	1.2	1.0	49.6	46.0
Israel	454	55.6	6.9	18.9	55.6	12.7	3.7	2.2	56.5	54.6
Italy	618	63.8	5.9	12.9	63.8	15.2	1.7	0.4	68.0	59.8
Japan	630	52.4	9.8	21.6	52.4	15.8	0.3	0.1	49.4	55.5
Jordan	746	56.6	5.0	13.8	56.6	23.2	0.8	0.6	57.0	56.3
Korea, Rep. of	608	84.0	1.7	11.3	84.0	2.9	0.0	0.0	81.4	86.6
Kuwait	574	49.7	10.6	19.5	49.7	14.6	3.9	1.6	52.7	46.1
Lebanon	527	41.8	10.7	20.1	41.8	18.8	6.1	2.5	41.6	42.1
Lithuania	562	73.0	2.7	8.6	73.0	14.9	0.8	0.0	71.2	74.9
Malaysia	641	57.8	11.0	20.8	57.8	8.2	0.7	1.4	57.2	58.5
Malta	661	59.1	10.1	16.9	59.1	12.2	0.8	0.9	58.8	59.3
Morocco	345	55.2	9.1	13.1	55.2	18.4	3.1	1.2	53.9	56.4
Norway	642	68.2	5.4	18.5	68.2	5.7	1.6	0.5	66.9	69.4
Oman	676	43.0	7.0	24.1	43.0	23.5	1.5	0.9	42.8	43.3
Palestinian Nat'l Auth.	621	47.9	10.7	14.7	47.9	25.5	0.7	0.5	50.2	45.5
Qatar	1030	44.7	14.5	19.7	44.7	19.4	1.6	0.0	46.8	42.6
Romania	597	57.2	13.1	12.2	57.2	15.3	1.6	0.5	62.1	52.6
Russian Federation	636	68.7	7.5	6.5	68.7	13.3	2.7	1.3	66.1	71.7
Saudi Arabia	605	60.4	7.2	16.2	60.4	14.4	0.9	0.7	60.9	60.0
Scotland	582	68.9	5.6	18.4	68.9	6.1	0.3	0.7	68.5	69.4
Serbia	574	55.6	13.0	9.6	55.6	19.7	2.1	0.0	58.2	53.2
Singapore	653	70.8	7.9	11.3	70.8	9.7	0.2	0.0	71.3	70.3
Slovenia	562	69.5	4.2	15.7	69.5	8.6	1.8	0.2	69.2	69.8
Sweden	723	69.3	2.5	20.9	69.3	5.1	1.7	0.6	67.5	71.0
Syrian Arab Republic	662	59.3	6.7	14.7	59.3	16.5	1.7	1.1	61.2	57.1
Thailand	777	56.3	10.9	18.8	56.3	10.9	2.3	0.8	57.6	55.1
Tunisia	586	46.2	6.0	19.5	46.2	20.5	5.7	2.1	45.5	47.0
Turkey	646	60.7	8.5	13.1	60.7	16.5	1.2	0.0	63.7	57.9
Ukraine	623	59.0	8.7	8.3	59.0	20.0	3.4	0.6	60.4	57.7
United States	1054	69.1	5.8	15.5	69.1	7.7	0.9	1.0	68.8	69.5
International Avg.	636	58.3	8.0	15.4	58.3	14.9	2.2	1.2	59.3	57.4
Basque Country, Spain	328	82.6	3.3	7.0	82.6	6.3	0.6	0.2	85.7	80.0
British Columbia, Canada	611	67.9	7.1	18.2	67.9	5.2	1.0	0.6	66.9	68.8
Dubai, UAE	438	63.9	9.3	11.8	63.9	11.6	2.2	1.1	62.3	65.6
Massachusetts, US	272	73.9	4.1	12.9	73.9	6.3	1.2	1.7	73.7	74.2
Minnesota, US	252	74.9	2.4	15.5	74.9	5.1	1.1	1.1	75.8	74.0
Ontario, Canada	485	69.6	6.3	17.1	69.6	4.0	0.8	2.3	67.4	71.7
Quebec, Canada	578	67.8	3.9	21.2	67.8	5.4	0.7	0.9	64.2	71.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Reasoning (S032654 - S13_11)
 Label: Location of jungle
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	24.1	24.1	26.2	19.1	22.7	4.3	3.5	24.5	23.8
Armenia	666	41.1	41.1	15.2	14.2	16.1	12.3	1.1	42.8	39.5
Australia	574	52.5	52.5	3.5	21.1	21.2	1.0	0.7	47.6	57.6
Bahrain	603	37.1	37.1	21.0	21.1	17.9	1.9	1.0	40.6	33.7
Bosnia and Herzegovina	598	46.4	46.4	9.8	16.1	24.2	3.3	0.2	48.6	44.7
Botswana	604	26.5	26.5	18.6	12.9	31.5	3.8	6.8	28.2	24.6
Bulgaria	433	50.6	50.6	9.5	13.2	20.0	6.4	0.4	49.3	52.0
Chinese Taipei	580	65.1	65.1	5.4	20.1	9.1	0.3	0.0	57.5	71.8
Colombia	697	31.0	31.0	10.8	28.5	20.2	2.7	6.8	28.3	33.6
Cyprus	630	38.8	38.8	9.0	28.4	22.7	1.0	0.2	34.0	43.7
Czech Republic	700	66.6	66.6	3.1	13.9	15.5	0.9	0.0	68.6	64.6
Egypt	939	25.7	25.7	22.9	22.8	26.6	1.6	0.4	22.7	28.8
El Salvador	585	33.3	33.3	15.8	20.9	21.8	2.5	5.8	28.8	38.8
England	575	48.3	48.3	5.5	15.7	29.1	1.2	0.1	43.5	53.5
Georgia	599	29.8	29.8	11.6	19.9	28.5	7.8	2.3	31.1	28.7
Ghana	756	19.2	19.2	32.8	18.3	23.5	2.7	3.6	18.0	20.1
Hong Kong SAR	495	61.4	61.4	6.8	18.9	12.0	0.2	0.7	61.8	60.9
Hungary	591	70.9	70.9	3.8	10.8	13.4	1.1	0.0	71.7	69.9
Indonesia	587	34.2	34.2	13.4	31.5	18.4	1.5	1.1	27.2	40.9
Iran, Islamic Rep. of	562	50.6	50.6	12.0	16.0	18.2	2.2	1.0	52.1	49.3
Israel	454	52.3	52.3	11.5	17.9	13.9	2.1	2.4	53.2	51.2
Italy	621	48.0	48.0	5.7	22.4	21.1	2.3	0.4	45.7	50.3
Japan	630	54.7	54.7	4.7	14.7	25.3	0.4	0.1	46.5	63.4
Jordan	746	44.5	44.5	12.0	16.1	25.6	1.2	0.6	42.7	46.2
Korea, Rep. of	608	58.2	58.2	5.4	17.8	18.7	0.0	0.0	51.2	65.2
Kuwait	574	32.7	32.7	21.6	22.6	18.0	3.6	1.6	35.0	29.9
Lebanon	525	24.6	24.6	21.0	21.9	22.5	7.4	2.5	23.9	25.5
Lithuania	568	57.0	57.0	3.5	15.0	23.4	1.0	0.0	51.3	63.1
Malaysia	641	40.1	40.1	13.1	25.6	18.5	0.8	1.9	41.3	38.6
Malta	666	35.9	35.9	7.3	21.0	33.6	1.4	0.9	29.0	42.8
Morocco	348	22.2	22.2	26.1	21.1	25.1	4.1	1.4	23.1	21.3
Norway	642	52.0	52.0	3.5	11.1	31.1	1.7	0.6	47.6	56.2
Oman	676	49.1	49.1	17.4	17.7	14.0	0.9	0.9	52.7	45.2
Palestinian Nat'l Auth.	621	28.8	28.8	17.7	22.3	30.0	0.8	0.5	29.5	28.1
Qatar	1030	27.6	27.6	25.9	25.0	20.1	1.4	0.0	28.0	27.3
Romania	595	41.2	41.2	10.8	15.6	30.2	1.7	0.5	40.7	41.7
Russian Federation	636	55.3	55.3	4.9	14.9	20.7	2.9	1.4	51.8	59.3
Saudi Arabia	605	29.0	29.0	23.3	25.4	19.8	1.6	1.0	24.2	33.3
Scotland	582	44.9	44.9	5.0	15.8	32.0	1.7	0.7	42.9	47.2
Serbia	573	49.0	49.0	5.5	21.9	20.7	3.0	0.0	44.8	52.8
Singapore	653	55.2	55.2	6.4	15.0	23.2	0.1	0.0	53.9	56.4
Slovenia	562	64.2	64.2	3.2	11.5	20.5	0.4	0.2	59.6	68.7
Sweden	723	58.1	58.1	5.7	11.7	21.9	2.1	0.6	58.1	58.1
Syrian Arab Republic	663	31.4	31.4	16.1	24.9	23.9	2.6	1.1	32.5	30.2
Thailand	777	37.5	37.5	12.9	28.8	18.5	1.4	0.9	35.5	39.4
Tunisia	586	46.3	46.3	10.4	20.2	17.3	3.5	2.3	43.5	49.3
Turkey	647	55.0	55.0	14.0	18.2	12.1	0.7	0.0	50.2	59.6
Ukraine	623	53.1	53.1	4.4	14.6	25.7	1.3	0.8	47.2	58.6
United States	1054	57.1	57.1	5.7	15.1	20.1	1.0	1.1	55.6	58.8
International Avg.	636	44.0	44.0	11.9	19.0	21.6	2.3	1.2	42.2	45.9
Basque Country, Spain	328	60.0	60.0	5.0	15.2	18.9	0.7	0.2	51.2	67.4
British Columbia, Canada	612	52.4	52.4	6.3	18.0	22.2	0.6	0.6	55.7	49.0
Dubai, UAE	438	57.2	57.2	6.9	15.6	16.1	3.1	1.1	61.2	53.0
Massachusetts, US	272	65.3	65.3	3.4	9.9	17.7	2.0	1.7	66.3	64.2
Minnesota, US	252	62.2	62.2	3.8	10.4	20.9	1.6	1.1	60.0	64.7
Ontario, Canada	485	50.7	50.7	4.8	14.0	26.3	1.7	2.4	44.7	56.8
Quebec, Canada	578	43.1	43.1	5.8	12.7	36.4	1.1	0.9	40.9	45.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S032126 - S13_12)
 Label: Volcanic eruption effects
 Type: CR Key: -

COUNTRY	N	10	11	19	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	741	22.5	2.3	5.2	12.0	29.3	24.5	4.2	30.0	30.8	29.1
Armenia	665	33.7	2.3	7.9	4.7	15.2	35.0	1.2	43.9	49.1	39.0
Australia	574	72.0	2.6	1.8	12.2	7.0	3.5	0.9	76.5	76.0	77.0
Bahrain	603	17.9	3.5	2.5	17.3	36.9	20.9	1.0	23.9	26.1	21.7
Bosnia and Herzegovina	598	28.1	8.2	3.5	10.6	22.7	26.5	0.2	39.9	43.8	36.8
Botswana	605	21.2	0.1	0.6	9.6	40.4	20.9	7.4	21.8	25.0	18.2
Bulgaria	.	.	.	.	.	.	.	.	.	.	.
Chinese Taipei	580	54.9	0.9	2.1	23.6	11.7	6.8	0.0	58.0	58.6	57.5
Colombia	697	44.8	0.0	0.0	20.7	13.9	13.2	7.5	44.8	38.1	51.6
Cyprus	630	36.8	1.9	8.6	20.9	13.8	17.9	0.2	47.2	44.8	49.6
Czech Republic	700	65.6	2.0	1.0	17.3	8.0	5.9	0.2	68.6	67.5	69.7
Egypt	944	4.8	11.3	0.2	18.1	44.9	20.5	0.4	16.2	17.4	15.0
El Salvador	586	45.2	0.2	0.1	25.1	14.1	8.8	6.4	45.5	47.1	43.5
England	575	63.7	5.1	0.2	17.4	8.8	4.7	0.1	69.0	66.9	71.2
Georgia	599	10.1	0.7	4.9	22.0	15.5	44.2	2.5	15.8	19.0	12.7
Ghana	756	6.7	0.1	0.0	12.6	35.3	41.4	3.7	6.9	5.4	8.0
Hong Kong SAR	495	55.6	1.6	0.6	18.2	17.1	6.1	0.7	57.9	56.1	59.7
Hungary	591	50.0	2.1	0.6	18.5	10.5	18.3	0.0	52.7	54.0	51.2
Indonesia	587	26.1	8.9	2.9	13.8	33.0	14.0	1.4	37.9	35.5	40.1
Iran, Islamic Rep. of	562	32.4	3.7	3.2	7.4	28.7	23.1	1.5	39.3	40.8	38.1
Israel	454	26.0	1.7	1.9	11.9	23.2	32.9	2.4	29.6	24.1	35.9
Italy	622	36.1	5.8	2.7	18.3	13.6	23.0	0.4	44.7	42.6	46.7
Japan	.	.	.	.	.	.	.	.	.	.	.
Jordan	746	43.8	1.0	1.6	12.6	32.1	8.2	0.6	46.4	52.4	40.6
Korea, Rep. of	608	31.9	3.1	3.0	45.9	10.8	5.2	0.0	38.0	34.5	41.5
Kuwait	574	16.4	1.4	4.8	8.8	36.5	29.8	2.2	22.6	22.3	23.0
Lebanon	540	21.5	6.0	1.2	17.2	17.3	34.3	2.5	28.7	27.9	29.8
Lithuania	569	64.5	5.2	0.0	20.6	4.1	5.3	0.1	69.7	70.7	68.8
Malaysia	641	26.1	11.3	1.6	22.0	23.9	12.9	2.1	39.0	37.3	40.9
Malta	666	36.1	6.5	0.3	22.0	12.5	21.4	1.1	42.9	41.9	44.0
Morocco	349	22.8	0.6	2.0	3.2	41.7	27.9	1.7	25.5	26.6	24.4
Norway	642	48.1	7.2	0.0	27.4	6.7	10.0	0.6	55.3	57.3	53.3
Oman	676	9.2	5.4	3.3	23.8	45.6	11.8	1.0	17.8	19.8	15.7
Palestinian Nat'l Auth.	620	19.1	0.3	1.9	20.0	45.0	13.1	0.5	21.4	25.5	17.0
Qatar	1030	8.1	0.3	0.0	8.3	46.0	37.3	0.0	8.4	9.5	7.3
Romania	597	34.8	0.3	2.1	32.4	13.2	16.7	0.5	37.2	40.7	33.8
Russian Federation	636	49.9	0.6	0.6	34.2	5.7	7.6	1.4	51.1	50.8	51.4
Saudi Arabia	605	10.4	3.1	1.8	17.8	48.4	17.4	1.1	15.3	21.3	9.8
Scotland	582	60.1	3.8	0.0	19.1	9.9	6.5	0.7	63.9	62.3	65.7
Serbia	576	29.1	3.6	1.3	17.4	15.7	32.8	0.0	34.0	35.1	33.0
Singapore	653	61.7	5.0	0.9	19.2	9.5	3.8	0.0	67.6	68.1	67.1
Slovenia	562	57.9	9.7	1.0	23.8	4.0	3.4	0.2	68.6	65.6	71.5
Sweden	723	39.9	5.4	1.1	28.9	10.1	14.0	0.6	46.4	49.6	43.2
Syrian Arab Republic	664	43.7	1.9	2.4	7.6	20.6	22.4	1.4	48.0	45.9	50.4
Thailand	777	41.1	0.7	0.5	24.6	24.5	7.4	1.3	42.3	42.2	42.3
Tunisia	586	26.9	0.3	2.4	20.0	32.8	15.0	2.7	29.5	32.4	26.5
Turkey	647	52.0	1.9	0.9	26.9	8.4	9.8	0.0	54.8	51.2	58.2
Ukraine	623	26.5	0.4	7.6	42.3	10.7	11.8	0.8	34.4	34.1	34.6
United States	1054	49.5	8.8	0.0	33.1	4.5	3.0	1.2	58.3	60.5	55.8
International Avg.	641	35.9	3.4	2.0	19.4	20.9	17.0	1.4	41.2	41.6	40.9
Basque Country, Spain	328	59.3	2.0	2.3	12.6	9.8	13.9	0.2	63.5	62.7	64.2
British Columbia, Canada	612	57.0	8.0	0.9	19.3	7.2	7.0	0.6	65.9	62.0	69.8
Dubai, UAE	438	41.9	3.5	0.9	21.3	15.4	15.8	1.3	46.2	52.5	39.5
Massachusetts, US	272	55.0	9.0	0.0	26.6	3.2	4.3	2.0	63.9	60.7	67.5
Minnesota, US	252	53.3	8.1	0.0	29.8	5.0	2.7	1.1	61.4	60.6	62.2
Ontario, Canada	485	67.5	4.5	0.1	15.8	4.2	5.6	2.4	72.0	67.0	77.0
Quebec, Canada	578	53.6	9.9	0.7	15.6	12.1	7.0	1.1	64.2	64.8	63.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S032510 - S13_13)
 Label: Material that breaks down quickly
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	780	45.0	15.0	21.7	9.7	45.0	2.8	5.8	45.4	44.7
Armenia	669	76.4	12.5	6.3	2.5	76.4	0.8	1.5	76.4	76.3
Australia	574	83.0	1.6	7.4	5.9	83.0	1.1	1.0	81.5	84.6
Bahrain	603	47.6	18.5	23.7	8.7	47.6	0.2	1.2	47.8	47.4
Bosnia and Herzegovina	598	89.0	3.6	4.4	2.4	89.0	0.2	0.3	85.9	91.5
Botswana	606	27.7	9.2	17.3	34.8	27.7	1.6	9.4	31.8	23.0
Bulgaria	433	82.0	3.5	10.5	2.2	82.0	1.1	0.7	80.9	83.2
Chinese Taipei	580	84.8	5.0	8.5	1.5	84.8	0.0	0.2	80.0	89.0
Colombia	697	60.5	11.2	14.6	3.1	60.5	1.4	9.2	58.0	63.1
Cyprus	630	62.4	9.0	14.6	13.4	62.4	0.4	0.2	59.4	65.5
Czech Republic	700	89.6	2.4	6.5	0.9	89.6	0.4	0.2	89.5	89.6
Egypt	937	44.4	20.5	24.3	9.2	44.4	1.2	0.5	43.5	45.4
El Salvador	585	66.5	12.4	8.7	3.6	66.5	1.6	7.2	63.2	70.4
England	575	75.7	2.9	8.5	12.1	75.7	0.5	0.4	69.3	82.5
Georgia	599	66.7	18.9	5.2	4.6	66.7	1.3	3.3	71.5	62.2
Ghana	756	35.3	11.6	16.4	31.7	35.3	0.5	4.6	34.1	36.1
Hong Kong SAR	495	80.5	4.9	8.8	5.2	80.5	0.0	0.7	79.6	81.3
Hungary	591	90.2	2.8	5.9	0.8	90.2	0.2	0.0	90.4	90.1
Indonesia	587	80.8	4.5	6.5	6.2	80.8	0.4	1.7	78.6	83.0
Iran, Islamic Rep. of	562	56.5	10.4	26.9	3.2	56.5	0.5	2.5	59.7	53.7
Israel	454	59.4	8.8	17.6	10.2	59.4	1.3	2.6	56.7	62.4
Italy	620	74.7	5.5	13.0	4.3	74.7	0.8	1.6	80.8	68.9
Japan	630	78.0	5.5	13.9	2.2	78.0	0.1	0.4	79.8	76.1
Jordan	746	61.0	16.6	19.5	2.0	61.0	0.2	0.7	59.7	62.2
Korea, Rep. of	608	82.7	5.4	6.2	5.2	82.7	0.4	0.0	81.3	84.1
Kuwait	574	40.4	14.2	20.7	19.5	40.4	3.0	2.2	41.9	38.7
Lebanon	537	43.3	13.6	15.9	22.3	43.3	2.1	2.9	45.7	40.1
Lithuania	567	89.8	4.3	4.3	1.3	89.8	0.1	0.1	88.3	91.3
Malaysia	641	66.5	7.5	15.6	8.0	66.5	0.2	2.3	64.9	68.4
Malta	666	57.4	5.6	13.7	21.7	57.4	0.3	1.2	57.9	56.9
Morocco	349	51.6	13.4	19.7	12.5	51.6	1.0	1.7	54.3	48.9
Norway	642	71.0	8.0	11.1	7.5	71.0	1.6	0.9	72.4	69.6
Oman	676	42.5	28.3	21.6	5.1	42.5	1.1	1.3	38.7	46.6
Palestinian Nat'l Auth.	620	61.4	11.2	18.3	7.6	61.4	1.0	0.5	62.4	60.2
Qatar	1030	31.1	21.9	28.4	17.8	31.1	0.7	0.2	33.2	28.9
Romania	597	79.4	6.2	9.7	2.7	79.4	1.4	0.5	78.6	80.2
Russian Federation	636	81.1	8.5	5.3	2.8	81.1	0.8	1.4	81.8	80.2
Saudi Arabia	605	46.7	19.6	22.2	9.8	46.7	0.4	1.2	50.0	43.8
Scotland	582	70.2	5.5	6.8	15.7	70.2	0.8	1.0	69.5	70.9
Serbia	576	85.5	5.1	5.8	3.5	85.5	0.0	0.0	84.7	86.2
Singapore	653	75.8	4.1	11.3	8.9	75.8	0.0	0.0	77.5	74.2
Slovenia	562	90.5	4.5	3.2	1.0	90.5	0.6	0.2	90.1	90.9
Sweden	723	85.0	3.0	6.4	3.9	85.0	1.0	0.7	87.0	83.1
Syrian Arab Republic	664	64.8	10.8	15.3	6.3	64.8	1.1	1.7	63.0	66.8
Thailand	777	86.3	3.2	5.7	2.4	86.3	0.4	2.0	87.7	84.9
Tunisia	586	55.7	4.9	16.2	17.5	55.7	2.9	2.9	55.5	56.0
Turkey	647	66.0	5.9	11.4	16.7	66.0	0.0	0.0	65.5	66.5
Ukraine	623	78.8	8.4	6.8	4.3	78.8	0.7	1.1	77.7	79.8
United States	1054	73.3	3.9	12.0	9.3	73.3	0.4	1.2	72.2	74.4
International Avg.	637	67.2	9.1	12.7	8.4	67.2	0.8	1.7	67.0	67.4
Basque Country, Spain	328	62.0	7.6	20.4	9.4	62.0	0.3	0.3	63.1	61.1
British Columbia, Canada	612	73.2	3.7	11.9	9.5	73.2	1.2	0.6	73.3	73.0
Dubai, UAE	438	47.7	10.1	19.2	20.2	47.7	1.0	1.7	49.2	46.2
Massachusetts, US	272	75.7	4.3	8.4	8.6	75.7	1.1	2.0	76.2	75.1
Minnesota, US	252	75.6	4.3	10.5	7.9	75.6	0.6	1.1	77.3	73.7
Ontario, Canada	485	74.8	3.4	9.8	8.8	74.8	0.5	2.7	71.5	78.1
Quebec, Canada	578	78.3	5.8	9.8	4.2	78.3	0.3	1.6	76.3	80.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S032158 - S13_14)
 Label: Molecules of gas when heated
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	35.0	14.3	35.0	5.4	35.8	3.8	5.7	33.9	36.0
Armenia	669	77.8	6.1	77.8	2.7	6.9	5.1	1.5	82.9	73.1
Australia	574	56.6	20.2	56.6	6.5	14.2	1.3	1.1	54.5	58.7
Bahrain	603	42.3	19.1	42.3	7.6	29.0	0.8	1.2	46.6	38.3
Bosnia and Herzegovina	598	45.7	17.9	45.7	7.9	24.4	3.8	0.3	49.0	43.0
Botswana	605	41.4	13.8	41.4	11.6	20.8	2.5	9.9	41.7	41.0
Bulgaria	433	56.1	14.5	56.1	9.3	15.9	3.5	0.7	50.9	61.7
Chinese Taipei	580	67.1	19.8	67.1	5.7	7.1	0.1	0.2	64.9	69.1
Colombia	697	40.3	19.6	40.3	6.0	22.8	1.8	9.6	38.7	41.9
Cyprus	630	67.7	12.1	67.7	6.1	12.7	1.3	0.2	71.2	64.2
Czech Republic	700	75.1	10.8	75.1	2.4	10.8	0.5	0.5	73.5	76.7
Egypt	938	40.4	30.6	40.4	10.8	16.5	1.3	0.4	39.9	41.0
El Salvador	585	36.4	25.1	36.4	4.3	25.0	1.3	7.9	36.3	36.5
England	575	65.8	14.2	65.8	4.6	14.2	0.8	0.4	63.3	68.5
Georgia	599	57.3	15.9	57.3	6.1	15.3	2.1	3.3	65.0	50.1
Ghana	756	41.8	7.7	41.8	11.2	33.4	1.0	4.8	41.7	42.0
Hong Kong SAR	495	53.1	23.2	53.1	7.6	14.9	0.4	0.7	52.1	54.2
Hungary	591	73.1	10.1	73.1	3.4	12.0	1.5	0.0	78.4	67.1
Indonesia	587	31.9	38.4	31.9	5.1	21.1	1.5	1.9	34.3	29.7
Iran, Islamic Rep. of	562	50.0	9.8	50.0	6.6	29.6	1.4	2.6	53.6	46.9
Israel	454	75.9	7.4	75.9	5.8	7.1	1.0	2.9	78.0	73.4
Italy	620	50.7	16.0	50.7	5.7	23.7	2.3	1.6	50.8	50.6
Japan	630	42.5	20.4	42.5	12.0	24.5	0.2	0.4	40.0	45.1
Jordan	746	60.8	12.2	60.8	7.8	17.7	0.6	0.8	64.6	57.2
Korea, Rep. of	608	83.8	2.3	83.8	4.3	9.6	0.0	0.0	83.9	83.8
Kuwait	574	46.6	20.8	46.6	6.6	20.5	3.1	2.4	46.8	46.3
Lebanon	531	41.4	14.4	41.4	8.2	28.9	4.3	2.9	39.1	44.3
Lithuania	566	59.7	16.7	59.7	3.1	19.9	0.3	0.1	56.3	63.3
Malaysia	641	62.1	14.7	62.1	6.4	13.9	0.4	2.4	67.4	56.2
Malta	665	53.2	17.0	53.2	6.4	21.3	1.1	1.1	48.7	57.8
Morocco	348	39.9	22.0	39.9	9.4	24.6	2.4	1.7	40.5	39.3
Norway	642	67.4	15.5	67.4	3.5	11.7	0.2	1.7	71.6	63.4
Oman	676	55.4	19.9	55.4	6.2	15.6	1.4	1.5	58.9	51.7
Palestinian Nat'l Auth.	620	44.1	18.9	44.1	9.0	27.0	0.6	0.5	46.7	41.3
Qatar	1030	45.6	18.3	45.6	15.0	19.8	1.1	0.2	50.7	40.4
Romania	597	42.8	24.9	42.8	6.7	24.1	0.9	0.5	42.7	43.0
Russian Federation	636	79.0	5.8	79.0	2.2	9.6	1.8	1.6	80.9	76.8
Saudi Arabia	604	44.5	21.1	44.5	8.9	24.0	0.3	1.2	46.7	42.5
Scotland	582	55.3	15.8	55.3	5.6	22.0	0.3	1.0	58.5	51.7
Serbia	574	41.9	17.7	41.9	5.3	30.1	5.0	0.0	41.5	42.4
Singapore	653	75.2	11.4	75.2	2.6	10.7	0.1	0.0	79.7	70.8
Slovenia	562	68.1	9.4	68.1	5.1	16.1	1.2	0.2	62.6	73.6
Sweden	723	69.4	9.6	69.4	4.3	14.5	1.4	0.7	65.9	72.9
Syrian Arab Republic	664	33.8	32.7	33.8	7.8	23.0	0.9	1.7	34.1	33.5
Thailand	777	39.2	20.0	39.2	9.4	28.5	0.9	2.0	41.1	37.5
Tunisia	586	41.1	8.3	41.1	7.0	37.1	3.0	3.4	38.3	44.1
Turkey	647	51.0	17.9	51.0	7.5	22.1	1.6	0.0	49.5	52.3
Ukraine	623	69.6	7.6	69.6	1.8	17.9	1.6	1.5	72.1	67.3
United States	1054	70.1	11.9	70.1	6.6	9.5	0.4	1.4	68.3	72.0
International Avg.	636	54.4	16.2	54.4	6.6	19.5	1.5	1.8	55.1	53.8
Basque Country, Spain	328	52.9	25.3	52.9	8.0	13.2	0.3	0.3	48.4	56.6
British Columbia, Canada	612	78.5	8.0	78.5	4.7	6.6	1.7	0.6	78.5	78.4
Dubai, UAE	438	60.1	16.8	60.1	4.0	15.3	2.0	1.7	66.3	53.6
Massachusetts, US	272	77.2	9.0	77.2	6.2	4.2	1.4	2.0	78.2	76.0
Minnesota, US	252	64.3	15.0	64.3	4.6	14.3	0.7	1.1	60.2	68.7
Ontario, Canada	485	74.7	11.7	74.7	4.3	6.3	0.3	2.7	73.1	76.4
Quebec, Canada	578	44.8	20.0	44.8	7.9	25.0	0.6	1.6	42.7	47.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042258 - S14_01)
 Label: Function lungs-skin-kidneys share
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	34.4	10.3	20.5	34.4	30.1	4.7	0.0	37.8	30.8
Armenia	693	58.5	7.6	6.2	58.5	23.6	4.0	0.1	62.2	55.2
Australia	582	31.3	23.2	16.4	31.3	27.4	1.3	0.4	29.7	32.9
Bahrain	604	32.4	11.0	15.9	32.4	39.5	1.3	0.0	38.5	26.4
Bosnia and Herzegovina	594	70.7	3.6	5.9	70.7	19.1	0.7	0.0	74.2	66.9
Botswana	607	37.3	15.0	16.5	37.3	29.7	1.5	0.0	34.4	40.6
Bulgaria	430	45.5	9.1	12.1	45.5	27.9	5.1	0.2	46.7	44.4
Chinese Taipei	574	57.9	14.2	8.2	57.9	19.7	0.0	0.0	50.7	64.6
Colombia	695	28.7	23.8	9.6	28.7	36.6	1.0	0.4	23.0	34.6
Cyprus	625	20.5	19.4	26.5	20.5	31.4	2.3	0.0	17.8	22.9
Czech Republic	689	65.2	6.3	3.7	65.2	23.2	1.7	0.0	70.1	60.7
Egypt	941	33.8	13.0	16.6	33.8	34.8	1.9	0.0	34.3	33.3
El Salvador	581	20.1	21.7	11.6	20.1	44.5	1.8	0.1	15.0	25.5
England	570	29.2	22.6	27.4	29.2	19.8	1.0	0.0	29.1	29.4
Georgia	599	48.8	5.9	12.6	48.8	29.9	2.6	0.3	49.6	48.0
Ghana	753	28.1	16.9	16.6	28.1	36.3	2.0	0.0	23.7	31.6
Hong Kong SAR	499	36.8	25.4	20.4	36.8	15.5	1.4	0.4	33.6	39.7
Hungary	596	35.1	9.6	16.3	35.1	37.0	2.1	0.0	37.9	32.1
Indonesia	599	44.7	7.2	11.5	44.7	35.9	0.5	0.2	44.0	45.3
Iran, Islamic Rep. of	570	52.1	10.0	9.2	52.1	27.8	0.9	0.0	55.8	49.0
Israel	453	29.1	11.7	17.9	29.1	36.8	3.7	0.6	26.3	32.4
Italy	625	60.4	7.7	7.9	60.4	21.4	2.3	0.1	59.5	61.4
Japan	621	54.3	11.5	16.3	54.3	17.3	0.6	0.0	52.4	56.2
Jordan	746	53.9	8.9	13.4	53.9	22.7	1.2	0.0	55.8	52.1
Korea, Rep. of	607	59.8	4.7	13.1	59.8	22.0	0.5	0.0	59.1	60.5
Kuwait	584	29.2	11.0	16.6	29.2	38.0	4.1	1.0	28.9	29.6
Lebanon	526	44.4	16.2	16.6	44.4	19.7	2.6	0.5	45.8	42.6
Lithuania	560	56.1	8.9	13.6	56.1	20.5	1.0	0.0	57.6	54.7
Malaysia	642	46.5	9.2	15.8	46.5	27.7	0.6	0.3	50.3	42.3
Malta	669	26.7	20.7	20.7	26.7	31.0	0.9	0.0	25.8	27.6
Morocco	442	17.6	13.4	28.8	17.6	32.8	7.3	0.0	20.8	14.0
Norway	646	32.6	22.6	19.5	32.6	24.6	0.6	0.0	31.7	33.6
Oman	676	29.2	16.3	19.6	29.2	32.4	2.4	0.1	32.2	25.8
Palestinian Nat'l Auth.	622	37.3	16.5	18.9	37.3	25.6	1.8	0.0	39.2	35.4
Qatar	1033	31.3	17.9	19.6	31.3	29.1	2.1	0.1	34.9	27.6
Romania	599	31.0	15.3	16.9	31.0	34.0	2.7	0.0	29.3	32.5
Russian Federation	640	60.6	8.9	11.7	60.6	16.2	2.6	0.0	60.1	61.1
Saudi Arabia	603	39.6	19.7	11.5	39.6	28.5	0.7	0.0	46.3	33.6
Scotland	582	24.6	26.6	15.9	24.6	31.4	1.3	0.2	24.0	25.2
Serbia	569	62.6	2.7	8.3	62.6	23.3	3.0	0.0	64.6	60.8
Singapore	651	35.3	16.9	14.4	35.3	33.0	0.4	0.0	32.0	38.4
Slovenia	565	29.2	15.5	14.9	29.2	39.4	1.0	0.0	28.9	29.5
Sweden	732	31.7	25.7	14.0	31.7	27.1	1.5	0.0	32.9	30.5
Syrian Arab Republic	678	42.9	13.1	15.8	42.9	25.1	2.8	0.2	39.5	46.8
Thailand	773	53.1	5.0	13.9	53.1	27.3	0.5	0.2	56.2	50.3
Tunisia	581	18.8	8.3	25.8	18.8	39.5	7.7	0.0	19.1	18.6
Turkey	640	47.5	9.9	11.9	47.5	29.0	1.7	0.0	45.5	49.2
Ukraine	620	35.9	17.1	13.7	35.9	30.3	3.0	0.0	36.9	34.9
United States	1063	33.6	23.6	16.3	33.6	25.8	0.6	0.1	31.8	35.7
International Avg.	639	40.1	13.9	15.2	40.1	28.6	2.0	0.1	40.3	39.9
Basque Country, Spain	333	41.4	17.4	9.5	41.4	29.7	2.0	0.0	48.0	36.0
British Columbia, Canada	610	37.2	23.0	15.3	37.2	23.0	1.5	0.1	35.8	38.8
Dubai, UAE	460	44.7	13.2	15.2	44.7	25.7	1.1	0.0	45.9	43.6
Massachusetts, US	274	36.6	22.5	17.4	36.6	22.5	1.0	0.0	32.4	40.8
Minnesota, US	249	31.2	22.0	16.0	31.2	29.7	1.0	0.0	32.4	30.0
Ontario, Canada	476	29.7	23.9	20.6	29.7	25.8	0.0	0.0	31.7	27.5
Quebec, Canada	587	33.6	11.5	21.4	33.6	32.7	0.8	0.1	30.8	36.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042005 - S14_02)
 Label: Characteristic to classify organisms
 Type: CR Key: -

COUNTRY	N	20	10	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	776	28.9	1.3	63.4	6.2	0.1	30.3	28.9	33.9	23.8
Armenia	688	8.4	26.6	53.3	11.4	0.3	35.0	8.4	9.7	7.4
Australia	582	52.6	7.9	32.5	6.6	0.4	60.5	52.6	53.2	52.0
Bahrain	604	27.4	12.9	52.4	7.3	0.0	40.3	27.4	32.4	22.4
Bosnia and Herzegovina	594	34.6	11.7	41.2	12.5	0.0	46.3	34.6	36.1	33.1
Botswana	607	15.5	7.0	74.1	3.4	0.0	22.5	15.5	16.2	14.8
Bulgaria	.	.	.	.	.	.	.	.	.	.
Chinese Taipei	574	62.1	18.9	14.5	4.5	0.0	80.9	62.1	64.9	59.4
Colombia	695	41.9	9.2	38.7	9.9	0.4	51.1	41.9	43.1	40.7
Cyprus	625	9.9	39.5	42.0	8.6	0.0	49.4	9.9	9.7	10.1
Czech Republic	689	55.3	15.0	25.5	4.3	0.0	70.2	55.3	59.1	51.7
Egypt	945	12.5	8.7	62.7	16.1	0.0	21.2	12.5	17.6	7.5
El Salvador	581	26.2	5.7	55.4	12.6	0.1	31.9	26.2	27.1	25.3
England	570	53.7	4.7	35.8	5.8	0.0	58.4	53.7	54.2	53.0
Georgia	.	.	.	.	.	.	.	.	.	.
Ghana	753	8.8	8.4	67.5	15.2	0.0	17.3	8.8	8.2	9.4
Hong Kong SAR	499	49.8	5.5	40.7	3.6	0.4	55.3	49.8	55.7	44.5
Hungary	596	63.6	9.7	20.1	6.7	0.0	73.3	63.6	70.4	56.3
Indonesia	599	18.0	14.2	56.4	11.2	0.2	32.2	18.0	17.6	18.5
Iran, Islamic Rep. of	570	54.6	9.1	31.0	5.3	0.0	63.7	54.6	57.3	52.3
Israel	453	29.5	23.5	34.5	11.9	0.6	53.0	29.5	32.4	26.0
Italy	626	53.3	1.4	35.4	9.8	0.1	54.7	53.3	59.7	46.7
Japan	621	61.4	15.6	19.5	3.5	0.0	77.0	61.4	59.1	63.7
Jordan	746	51.1	18.7	26.4	3.8	0.0	69.8	51.1	55.6	47.0
Korea, Rep. of	607	69.5	10.9	18.0	1.6	0.0	80.5	69.5	71.3	67.8
Kuwait	584	13.8	40.3	33.6	11.3	1.0	54.1	13.8	13.9	13.7
Lebanon	534	29.2	9.2	47.9	13.2	0.5	38.4	29.2	31.9	25.6
Lithuania	563	50.1	10.0	31.5	8.4	0.0	60.1	50.1	50.7	49.6
Malaysia	642	34.7	5.7	55.2	4.1	0.3	40.4	34.7	36.2	32.9
Malta	669	35.7	3.4	56.1	4.8	0.0	39.1	35.7	38.7	32.6
Morocco	449	17.9	4.9	63.9	13.2	0.0	22.8	17.9	18.2	17.7
Norway	646	35.8	8.2	49.2	6.8	0.0	44.1	35.8	41.0	30.4
Oman	676	25.3	6.3	64.5	3.8	0.1	31.6	25.3	33.0	16.8
Palestinian Nat'l Auth.	622	22.2	4.7	69.3	3.8	0.0	26.9	22.2	26.2	18.0
Qatar	1033	1.9	0.7	84.9	12.4	0.1	2.6	1.9	2.6	1.1
Romania	599	26.7	7.9	55.4	10.1	0.0	34.6	26.7	30.4	23.5
Russian Federation	640	28.9	19.8	42.8	8.4	0.0	48.8	28.9	28.1	29.7
Saudi Arabia	603	21.6	11.1	57.9	9.4	0.0	32.7	21.6	23.2	20.1
Scotland	582	39.1	4.7	47.7	8.4	0.2	43.7	39.1	40.9	37.0
Serbia	578	30.4	12.9	45.4	11.3	0.0	43.3	30.4	30.8	30.0
Singapore	651	54.6	4.9	37.7	2.8	0.0	59.5	54.6	60.7	48.8
Slovenia	565	55.8	12.3	29.8	2.0	0.0	68.2	55.8	58.3	53.7
Sweden	732	39.4	12.9	36.9	10.8	0.0	52.3	39.4	39.5	39.3
Syrian Arab Republic	678	47.5	6.4	36.6	9.2	0.2	53.9	47.5	45.9	49.3
Thailand	773	38.7	8.8	44.1	8.2	0.2	47.5	38.7	41.9	35.7
Tunisia	581	46.6	9.5	39.2	4.7	0.0	56.1	46.6	47.2	46.0
Turkey	640	31.8	8.5	48.6	11.1	0.0	40.3	31.8	32.4	31.4
Ukraine	620	18.5	24.2	47.2	10.1	0.0	42.7	18.5	17.3	19.8
United States	1063	58.3	6.0	32.9	2.6	0.2	64.3	58.3	59.4	57.1
International Avg.	645	36.0	11.3	44.7	7.9	0.1	47.3	36.0	38.1	33.9
Basque Country, Spain	333	61.1	14.3	21.3	3.3	0.0	75.3	61.1	63.2	59.3
British Columbia, Canada	610	48.2	5.7	40.8	5.2	0.1	53.9	48.2	52.3	43.7
Dubai, UAE	460	30.6	13.9	47.8	7.7	0.0	44.6	30.6	35.6	25.4
Massachusetts, US	274	68.6	5.3	23.9	2.2	0.0	73.9	68.6	69.5	67.7
Minnesota, US	249	61.6	10.0	27.8	0.6	0.0	71.6	61.6	65.3	57.7
Ontario, Canada	476	54.8	5.8	36.1	3.3	0.0	60.6	54.8	59.0	50.4
Quebec, Canada	587	49.6	9.7	35.8	4.8	0.1	59.3	49.6	52.7	46.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Knowing (S042016 - S14_03)
 Label: Organelle that produces energy
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	7.2	7.2	39.4	38.7	7.1	7.4	0.1	6.8	7.6
Armenia	689	56.5	56.5	11.0	21.5	7.7	3.0	0.3	59.0	54.3
Australia	582	14.5	14.5	55.6	16.7	11.1	1.7	0.4	14.0	14.9
Bahrain	604	45.2	45.2	32.7	13.6	5.5	3.0	0.0	56.8	33.8
Bosnia and Herzegovina	594	40.5	40.5	21.3	24.8	10.1	3.3	0.0	48.1	32.5
Botswana	607	10.1	10.1	50.6	21.5	16.7	1.1	0.0	9.8	10.4
Bulgaria	430	48.9	48.9	30.0	10.7	6.9	3.1	0.3	54.2	43.6
Chinese Taipei	574	36.4	36.4	45.4	12.2	5.5	0.5	0.0	35.8	37.0
Colombia	695	34.8	34.8	40.8	14.9	8.0	1.3	0.4	33.4	36.1
Cyprus	625	4.7	4.7	55.1	35.3	4.2	0.7	0.0	4.0	5.3
Czech Republic	689	27.7	27.7	39.3	18.0	11.5	3.6	0.0	30.2	25.3
Egypt	939	50.9	50.9	27.0	14.2	6.9	1.1	0.0	55.4	46.4
El Salvador	580	24.1	24.1	25.0	39.0	8.8	2.4	0.7	27.0	21.1
England	570	18.4	18.4	34.4	30.6	15.1	1.6	0.0	19.2	17.3
Georgia	599	29.4	29.4	21.9	26.2	14.9	7.0	0.6	36.8	21.8
Ghana	753	23.4	23.4	40.8	23.8	9.6	2.4	0.0	23.6	23.2
Hong Kong SAR	499	8.1	8.1	56.0	29.7	4.7	1.0	0.4	8.3	8.0
Hungary	596	16.8	16.8	68.1	11.8	2.2	1.2	0.0	16.5	17.1
Indonesia	599	12.5	12.5	45.7	30.9	8.7	2.0	0.2	11.2	13.6
Iran, Islamic Rep. of	570	17.6	17.6	31.7	40.1	8.5	2.1	0.0	20.7	15.0
Israel	453	20.4	20.4	47.0	20.5	5.9	5.6	0.6	19.1	21.9
Italy	626	30.6	30.6	44.4	18.4	4.8	1.7	0.1	35.3	25.7
Japan	621	13.4	13.4	51.5	27.2	6.5	1.4	0.0	10.4	16.3
Jordan	746	23.1	23.1	45.4	22.5	7.0	2.1	0.0	26.1	20.2
Korea, Rep. of	607	24.6	24.6	54.4	16.1	4.3	0.7	0.0	20.5	28.6
Kuwait	584	7.3	7.3	44.9	27.2	15.5	4.1	1.0	6.9	7.8
Lebanon	529	14.2	14.2	55.8	19.2	5.1	5.1	0.5	14.1	14.5
Lithuania	562	24.2	24.2	50.2	12.5	11.0	2.1	0.0	29.0	19.5
Malaysia	642	7.0	7.0	51.5	26.8	13.4	1.0	0.3	7.4	6.6
Malta	668	27.7	27.7	44.4	16.5	9.7	1.8	0.0	30.9	24.4
Morocco	446	3.0	3.0	59.1	24.2	5.0	8.7	0.0	2.7	3.4
Norway	646	18.7	18.7	61.8	14.7	3.2	1.6	0.0	17.6	19.9
Oman	676	23.4	23.4	45.4	21.7	7.7	1.6	0.1	26.5	20.1
Palestinian Nat'l Auth.	622	51.8	51.8	23.8	14.2	9.3	0.9	0.0	60.6	42.6
Qatar	1033	8.4	8.4	50.1	23.6	14.9	2.9	0.1	7.6	9.2
Romania	599	11.3	11.3	49.7	26.2	9.8	3.0	0.0	10.2	12.2
Russian Federation	640	42.1	42.1	32.6	15.8	7.4	2.1	0.0	43.8	40.4
Saudi Arabia	602	16.2	16.2	41.2	34.6	6.3	1.7	0.0	17.8	14.8
Scotland	582	10.1	10.1	53.1	26.6	7.5	2.5	0.2	7.6	13.0
Serbia	573	32.2	32.2	31.1	19.4	14.0	3.4	0.0	37.0	27.6
Singapore	651	32.3	32.3	36.0	18.4	12.9	0.4	0.0	36.2	28.6
Slovenia	565	14.6	14.6	41.0	25.8	15.8	2.8	0.0	13.8	15.2
Sweden	732	23.8	23.8	47.2	21.4	5.0	2.6	0.0	23.0	24.6
Syrian Arab Republic	678	34.9	34.9	43.6	9.6	8.8	2.9	0.2	36.0	33.6
Thailand	773	16.5	16.5	38.4	32.9	9.5	2.4	0.2	15.6	17.4
Tunisia	580	12.8	12.8	43.3	32.3	6.0	5.6	0.0	10.8	14.9
Turkey	640	49.6	49.6	17.7	23.4	6.1	3.3	0.0	56.0	44.4
Ukraine	620	20.8	20.8	44.9	19.0	13.2	2.0	0.0	23.4	18.3
United States	1063	32.9	32.9	39.4	17.7	9.1	0.8	0.2	32.8	32.9
International Avg.	639	24.0	24.0	42.1	22.5	8.7	2.6	0.1	25.5	22.5
Basque Country, Spain	333	14.8	14.8	41.8	33.6	5.8	4.0	0.0	14.4	15.1
British Columbia, Canada	610	51.3	51.3	25.2	14.6	6.4	2.5	0.1	51.7	50.8
Dubai, UAE	459	35.4	35.4	44.5	13.1	5.4	1.5	0.0	36.1	34.7
Massachusetts, US	274	54.6	54.6	27.7	9.9	6.4	1.4	0.0	51.2	58.0
Minnesota, US	249	26.0	26.0	45.7	18.2	9.6	0.5	0.0	21.5	30.8
Ontario, Canada	476	40.4	40.4	34.3	13.0	11.7	0.5	0.0	39.7	41.1
Quebec, Canada	587	12.0	12.0	51.0	22.5	12.1	2.2	0.1	9.1	14.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042300A - S14_04A)
 Label: O2-CO2 release-removal/animals
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	776	34.8	61.3	3.8	0.1	34.8	34.2	35.3
Armenia	689	68.3	24.9	6.6	0.3	68.3	67.7	68.8
Australia	582	44.8	48.0	6.4	0.7	44.8	42.4	47.2
Bahrain	604	58.1	39.6	2.3	0.0	58.1	64.6	51.7
Bosnia and Herzegovina	594	38.8	44.3	16.9	0.0	38.8	41.7	35.6
Botswana	607	16.8	79.0	4.2	0.0	16.8	15.1	18.6
Bulgaria	430	41.4	34.0	24.3	0.3	41.4	39.3	43.5
Chinese Taipei	574	68.0	30.3	1.7	0.0	68.0	63.6	72.2
Colombia	695	14.7	77.2	7.3	0.9	14.7	12.1	17.3
Cyprus	625	28.7	62.1	9.2	0.0	28.7	31.6	26.0
Czech Republic	689	72.8	24.4	2.7	0.0	72.8	73.0	72.7
Egypt	946	36.2	59.8	4.0	0.0	36.2	37.0	35.4
El Salvador	581	9.6	78.7	10.8	0.9	9.6	8.2	11.1
England	570	57.2	40.5	2.3	0.0	57.2	52.5	62.9
Georgia	599	46.7	25.4	27.4	0.6	46.7	49.9	43.3
Ghana	753	17.2	53.7	29.1	0.0	17.2	14.4	19.4
Hong Kong SAR	499	70.8	25.5	3.1	0.6	70.8	74.5	67.5
Hungary	596	70.2	28.6	1.2	0.0	70.2	66.2	74.5
Indonesia	598	30.6	63.2	6.1	0.2	30.6	29.2	31.8
Iran, Islamic Rep. of	570	34.1	63.1	2.8	0.0	34.1	36.5	32.1
Israel	453	41.0	51.7	6.6	0.8	41.0	39.6	42.8
Italy	.	.	.	.	.	.	.	.
Japan	621	83.1	13.8	3.1	0.0	83.1	83.2	82.9
Jordan	746	52.2	44.8	3.0	0.0	52.2	55.6	49.0
Korea, Rep. of	607	37.7	59.6	2.8	0.0	37.7	35.4	39.9
Kuwait	584	31.2	57.1	10.5	1.2	31.2	34.8	27.1
Lebanon	534	38.2	54.9	6.4	0.5	38.2	39.4	36.7
Lithuania	563	54.9	42.8	2.3	0.0	54.9	56.2	53.7
Malaysia	642	51.7	43.9	4.0	0.5	51.7	53.1	50.1
Malta	668	35.7	60.1	4.3	0.0	35.7	35.6	35.7
Morocco	449	35.0	58.6	6.3	0.2	35.0	35.9	33.8
Norway	646	33.6	57.8	8.6	0.0	33.6	31.9	35.3
Oman	676	31.5	64.1	4.3	0.1	31.5	32.5	30.4
Palestinian Nat'l Auth.	622	33.6	63.9	2.5	0.0	33.6	36.8	30.3
Qatar	1033	23.4	63.9	12.6	0.1	23.4	24.0	22.7
Romania	599	44.7	48.2	7.1	0.0	44.7	46.8	42.9
Russian Federation	640	67.5	26.6	5.9	0.0	67.5	68.8	66.2
Saudi Arabia	603	43.2	54.2	2.6	0.0	43.2	46.6	40.1
Scotland	582	46.1	45.8	7.8	0.2	46.1	45.9	46.4
Serbia	578	42.0	42.2	15.8	0.0	42.0	44.0	40.1
Singapore	651	75.8	22.5	1.7	0.0	75.8	76.6	75.2
Slovenia	565	64.8	34.2	1.1	0.0	64.8	60.3	68.6
Sweden	732	46.9	45.0	8.1	0.0	46.9	46.7	47.2
Syrian Arab Republic	678	42.4	53.2	4.1	0.4	42.4	38.2	47.1
Thailand	773	37.1	58.7	3.9	0.2	37.1	40.7	33.9
Tunisia	580	49.9	47.7	2.3	0.1	49.9	44.0	56.0
Turkey	640	49.0	46.1	4.9	0.0	49.0	49.5	48.7
Ukraine	620	49.1	39.6	11.4	0.0	49.1	50.5	47.6
United States	1063	46.0	50.9	2.9	0.2	46.0	42.2	50.4
International Avg.	640	44.7	48.2	6.9	0.2	44.7	44.8	44.7
Basque Country, Spain	333	47.5	47.5	4.9	0.0	47.5	46.3	48.5
British Columbia, Canada	610	48.2	45.2	6.2	0.4	48.2	44.2	52.6
Dubai, UAE	460	54.0	41.4	4.4	0.2	54.0	52.2	55.8
Massachusetts, US	274	58.7	38.8	2.5	0.0	58.7	50.9	66.6
Minnesota, US	249	56.8	41.8	1.4	0.0	56.8	52.6	61.4
Ontario, Canada	476	52.9	44.7	2.4	0.0	52.9	48.2	58.0
Quebec, Canada	587	42.2	55.7	1.9	0.1	42.2	34.5	49.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042300B - S14_04B)
 Label: O2-CO2 release-removal/plants
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL	2.BOY
							%Right	%Right
Algeria	777	11.6	85.2	3.1	0.1	11.6	12.4	10.7
Armenia	687	58.4	35.1	6.3	0.3	58.4	54.3	61.9
Australia	582	11.0	83.4	5.0	0.7	11.0	15.7	6.3
Bahrain	604	16.8	79.7	3.4	0.0	16.8	20.5	13.2
Bosnia and Herzegovina	594	9.0	73.0	18.0	0.0	9.0	10.7	7.2
Botswana	607	13.3	81.9	4.8	0.0	13.3	13.7	12.8
Bulgaria	430	15.4	59.7	24.6	0.3	15.4	19.1	11.7
Chinese Taipei	574	38.2	60.3	1.5	0.0	38.2	33.5	42.6
Colombia	695	10.0	79.9	8.9	1.2	10.0	10.9	9.2
Cyprus	625	12.9	78.4	8.7	0.0	12.9	13.9	12.0
Czech Republic	689	17.2	79.8	3.1	0.0	17.2	16.8	17.5
Egypt	946	24.1	72.2	3.8	0.0	24.1	23.2	24.9
El Salvador	581	5.7	81.9	11.5	0.9	5.7	8.1	3.1
England	570	15.2	83.0	1.8	0.0	15.2	17.3	12.6
Georgia	599	13.4	58.7	27.4	0.6	13.4	17.8	8.8
Ghana	753	12.0	56.9	31.1	0.0	12.0	15.0	9.6
Hong Kong SAR	499	46.8	49.4	3.2	0.6	46.8	46.3	47.2
Hungary	596	10.7	86.8	2.5	0.0	10.7	14.5	6.8
Indonesia	593	15.7	77.3	6.7	0.3	15.7	18.1	13.5
Iran, Islamic Rep. of	570	9.3	87.1	3.6	0.0	9.3	9.0	9.5
Israel	453	12.7	79.1	7.1	1.0	12.7	14.7	10.5
Italy	626	8.3	77.3	14.1	0.4	8.3	8.5	8.0
Japan	621	55.5	41.6	2.9	0.0	55.5	49.5	61.5
Jordan	746	32.9	64.3	2.8	0.0	32.9	39.6	26.7
Korea, Rep. of	607	35.5	62.0	2.5	0.0	35.5	34.4	36.6
Kuwait	584	14.4	73.5	10.7	1.3	14.4	15.7	13.1
Lebanon	534	26.0	66.2	7.2	0.5	26.0	26.1	26.0
Lithuania	563	9.6	87.6	2.8	0.0	9.6	9.9	9.3
Malaysia	642	20.0	75.2	4.3	0.5	20.0	20.4	19.5
Malta	668	12.8	83.3	3.9	0.0	12.8	14.6	11.0
Morocco	449	13.6	81.5	4.6	0.3	13.6	12.3	15.0
Norway	646	7.4	84.0	8.4	0.2	7.4	7.3	7.6
Oman	676	20.3	75.5	4.1	0.1	20.3	22.2	18.3
Palestinian Nat'l Auth.	622	19.6	77.9	2.5	0.0	19.6	19.8	19.4
Qatar	1033	12.3	74.7	12.8	0.2	12.3	14.8	9.7
Romania	599	8.3	84.5	7.2	0.0	8.3	7.8	8.8
Russian Federation	640	14.5	79.5	5.9	0.2	14.5	12.4	16.5
Saudi Arabia	603	14.3	83.2	2.6	0.0	14.3	15.6	13.1
Scotland	582	13.5	80.1	6.2	0.2	13.5	12.4	14.7
Serbia	578	13.1	71.6	15.3	0.0	13.1	16.4	9.8
Singapore	651	59.7	38.4	1.9	0.0	59.7	60.5	58.9
Slovenia	565	19.3	79.5	1.2	0.0	19.3	18.7	19.9
Sweden	732	9.1	84.3	6.6	0.0	9.1	11.4	6.9
Syrian Arab Republic	678	20.9	75.2	3.5	0.4	20.9	17.1	25.2
Thailand	773	13.2	82.6	3.9	0.3	13.2	18.5	8.4
Tunisia	580	24.4	73.0	2.4	0.1	24.4	26.9	21.9
Turkey	640	27.5	67.2	5.4	0.0	27.5	28.6	26.6
Ukraine	620	8.4	79.7	11.9	0.0	8.4	10.2	6.6
United States	1063	8.3	88.6	2.9	0.2	8.3	9.6	6.9
International Avg.	640	18.8	73.9	7.1	0.2	18.8	19.7	17.9
Basque Country, Spain	333	24.2	71.1	4.8	0.0	24.2	26.4	22.4
British Columbia, Canada	610	9.6	84.6	5.4	0.4	9.6	12.2	6.7
Dubai, UAE	460	19.9	76.3	3.5	0.3	19.9	20.0	19.9
Massachusetts, US	274	6.6	90.9	2.5	0.0	6.6	7.3	5.9
Minnesota, US	249	9.3	89.6	1.1	0.0	9.3	8.1	10.5
Ontario, Canada	476	10.2	87.6	2.2	0.0	10.2	7.9	12.6
Quebec, Canada	587	12.0	85.8	2.0	0.1	12.0	15.5	8.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Applying (S042300C - S14_04C)
 Label: O2-CO2release-removal/photosynthesis
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	777	21.8	71.5	6.5	0.1	21.8	23.6	20.0
Armenia	687	69.1	23.8	6.8	0.3	69.1	68.4	69.7
Australia	582	41.8	50.8	6.7	0.7	41.8	42.5	41.2
Bahrain	604	42.6	53.4	4.0	0.0	42.6	51.0	34.2
Bosnia and Herzegovina	594	35.3	44.2	20.5	0.0	35.3	38.5	31.8
Botswana	607	19.9	74.6	5.5	0.0	19.9	18.6	21.3
Bulgaria	430	32.8	39.4	27.6	0.3	32.8	32.1	33.4
Chinese Taipei	574	68.0	30.2	1.8	0.0	68.0	64.5	71.2
Colombia	695	17.4	73.0	8.4	1.2	17.4	16.2	18.6
Cyprus	625	29.7	61.5	8.8	0.0	29.7	32.8	26.9
Czech Republic	689	59.0	35.6	5.4	0.0	59.0	60.7	57.5
Egypt	946	33.7	61.3	5.0	0.0	33.7	34.7	32.8
El Salvador	581	11.2	75.2	12.6	0.9	11.2	10.3	12.2
England	570	49.8	46.2	4.0	0.0	49.8	47.9	52.2
Georgia	599	28.5	40.6	30.3	0.6	28.5	32.4	24.4
Ghana	753	13.4	54.2	32.3	0.0	13.4	13.0	13.7
Hong Kong SAR	499	67.4	28.9	3.1	0.6	67.4	65.8	68.8
Hungary	596	50.1	45.0	5.0	0.0	50.1	51.8	48.2
Indonesia	598	24.6	68.1	6.8	0.5	24.6	24.8	24.4
Iran, Islamic Rep. of	570	20.6	74.1	5.3	0.0	20.6	19.6	21.4
Israel	453	32.7	56.8	9.5	1.0	32.7	34.0	31.3
Italy	.	.	.	.	.	.	.	.
Japan	621	77.6	19.3	3.2	0.0	77.6	74.4	80.7
Jordan	746	50.2	46.9	2.9	0.0	50.2	54.8	45.9
Korea, Rep. of	607	38.8	57.0	4.2	0.0	38.8	36.1	41.5
Kuwait	584	28.1	58.3	12.1	1.5	28.1	32.7	23.0
Lebanon	534	35.9	55.8	7.6	0.6	35.9	35.2	36.8
Lithuania	563	50.0	44.2	5.8	0.0	50.0	52.2	47.8
Malaysia	642	54.8	41.3	3.4	0.5	54.8	55.7	53.8
Malta	668	34.3	61.0	4.7	0.0	34.3	34.9	33.7
Morocco	449	23.3	66.9	9.5	0.3	23.3	23.1	23.6
Norway	646	38.5	52.2	9.1	0.2	38.5	36.0	41.2
Oman	676	31.5	63.9	4.5	0.1	31.5	34.3	28.4
Palestinian Nat'l Auth.	622	29.7	66.7	3.6	0.0	29.7	28.8	30.7
Qatar	1033	21.3	64.8	13.8	0.2	21.3	26.3	16.1
Romania	599	30.4	59.1	10.5	0.0	30.4	30.7	30.2
Russian Federation	640	49.2	38.6	12.0	0.2	49.2	48.5	50.0
Saudi Arabia	603	33.1	63.2	3.7	0.0	33.1	37.7	29.0
Scotland	582	46.3	45.9	7.6	0.2	46.3	46.0	46.6
Serbia	578	33.7	48.2	18.1	0.0	33.7	34.1	33.3
Singapore	651	75.8	22.7	1.5	0.0	75.8	76.7	74.9
Slovenia	565	60.2	38.2	1.6	0.0	60.2	57.6	62.5
Sweden	732	47.9	44.6	7.5	0.0	47.9	51.4	44.6
Syrian Arab Republic	678	38.7	56.4	4.5	0.4	38.7	35.6	42.3
Thailand	773	33.7	61.4	4.5	0.3	33.7	38.2	29.6
Tunisia	580	40.0	58.0	1.9	0.1	40.0	37.7	42.4
Turkey	640	43.2	50.5	6.3	0.0	43.2	41.9	44.4
Ukraine	620	34.8	47.8	17.3	0.0	34.8	36.9	32.7
United States	1063	50.3	46.5	3.0	0.2	50.3	49.3	51.4
International Avg.	640	39.6	51.8	8.3	0.2	39.6	40.2	39.0
Basque Country, Spain	333	39.1	54.5	6.4	0.0	39.1	40.3	38.2
British Columbia, Canada	610	47.2	45.5	7.0	0.4	47.2	48.8	45.5
Dubai, UAE	460	45.5	49.3	4.9	0.3	45.5	45.7	45.4
Massachusetts, US	274	56.1	40.7	3.1	0.0	56.1	52.7	59.6
Minnesota, US	249	55.8	43.0	1.2	0.0	55.8	52.5	59.3
Ontario, Canada	476	48.2	48.5	3.2	0.0	48.2	42.3	54.5
Quebec, Canada	587	43.1	54.4	2.3	0.1	43.1	41.2	44.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Biology / Reasoning (S042319 - S14_05)
 Label: Designing plant growth experiment
 Type: CR Key: -

COUNTRY	N	10	11	12	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	768	1.1	0.2	0.2	72.5	25.8	0.3	1.5	1.8	1.1
Armenia	690	4.3	1.6	15.7	44.3	33.8	0.3	21.6	23.8	19.6
Australia	582	9.7	6.1	24.4	44.9	14.1	0.7	40.3	43.2	37.5
Bahrain	604	3.6	3.4	9.1	67.9	16.0	0.0	16.1	21.5	10.8
Bosnia and Herzegovina	594	1.5	0.0	6.4	55.6	36.4	0.0	7.9	9.2	6.6
Botswana	607	0.2	0.0	0.6	75.0	24.1	0.0	0.8	0.9	0.7
Bulgaria	430	2.8	1.3	2.9	49.0	43.7	0.3	7.0	7.6	6.3
Chinese Taipei	574	14.5	6.4	25.6	35.5	17.9	0.0	46.6	47.5	45.7
Colombia	695	0.2	0.4	4.1	66.6	27.3	1.4	4.7	3.4	6.1
Cyprus	625	18.0	1.1	0.6	49.8	30.5	0.0	19.7	22.3	17.2
Czech Republic	689	6.2	0.9	15.5	56.7	20.6	0.0	22.6	22.7	22.5
Egypt	946	0.6	0.1	2.0	78.5	18.7	0.0	2.7	3.1	2.3
El Salvador	581	0.3	0.4	6.3	54.0	37.9	1.0	7.0	8.9	5.0
England	570	10.6	5.0	34.1	40.0	10.3	0.0	49.7	51.9	46.9
Georgia	599	0.0	0.0	4.8	42.5	52.2	0.6	4.8	4.3	5.2
Ghana	753	0.9	0.0	1.2	52.5	45.3	0.0	2.1	2.6	1.7
Hong Kong SAR	499	19.8	5.0	29.7	27.3	17.6	0.6	54.5	59.9	49.7
Hungary	596	9.0	0.6	16.8	53.6	20.1	0.0	26.3	24.2	28.6
Indonesia	599	8.1	1.8	26.1	51.3	12.1	0.5	36.1	38.1	34.2
Iran, Islamic Rep. of	570	5.3	1.9	7.2	68.7	16.9	0.0	14.4	15.9	13.2
Israel	453	22.2	8.3	14.6	26.0	27.9	1.0	45.1	51.4	37.7
Italy	626	9.8	1.1	3.5	44.1	41.2	0.4	14.4	14.0	14.8
Japan	621	6.5	1.0	49.0	28.3	15.2	0.0	56.5	64.3	48.6
Jordan	746	0.4	0.3	5.2	84.1	10.0	0.0	5.9	8.5	3.5
Korea, Rep. of	607	6.0	0.2	39.0	44.3	10.6	0.0	45.2	49.4	41.1
Kuwait	584	1.9	3.0	21.7	41.9	30.1	1.5	26.6	32.7	19.5
Lebanon	534	1.9	0.1	6.5	58.6	32.1	0.6	8.6	12.2	3.9
Lithuania	563	2.1	0.2	38.2	43.2	16.3	0.0	40.5	44.5	36.6
Malaysia	642	5.5	1.0	10.9	64.7	17.5	0.5	17.4	20.0	14.5
Malta	669	3.7	0.9	10.9	55.8	28.7	0.0	15.5	15.7	15.3
Morocco	449	0.6	0.2	3.8	58.8	36.3	0.3	4.6	5.8	3.3
Norway	646	4.9	0.4	9.2	66.1	19.1	0.2	14.6	17.7	11.2
Oman	676	1.7	0.9	10.5	78.6	8.2	0.1	13.1	17.7	8.0
Palestinian Nat'l Auth.	623	2.3	0.0	6.3	79.7	11.8	0.0	8.6	10.9	6.1
Qatar	1033	0.5	0.4	0.2	65.4	33.4	0.2	1.0	1.5	0.6
Romania	599	0.2	0.4	5.1	67.1	27.2	0.0	5.7	7.4	4.3
Russian Federation	640	2.4	0.1	18.0	56.9	22.5	0.2	20.4	21.4	19.5
Saudi Arabia	603	2.4	0.5	3.5	74.6	18.9	0.0	6.5	8.8	4.3
Scotland	582	7.4	0.5	26.4	43.8	21.7	0.2	34.3	36.3	32.2
Serbia	578	2.7	0.7	4.9	59.4	32.3	0.0	8.3	7.4	9.2
Singapore	651	18.0	3.9	19.2	49.5	9.4	0.0	41.1	47.7	34.9
Slovenia	565	2.9	11.0	27.2	45.3	13.5	0.0	41.1	47.9	35.2
Sweden	732	1.8	1.1	21.1	44.9	31.1	0.0	24.0	28.4	19.7
Syrian Arab Republic	678	2.8	2.3	2.6	71.0	20.9	0.4	7.7	7.8	7.5
Thailand	773	6.3	2.8	14.3	53.9	22.3	0.3	23.4	28.9	18.5
Tunisia	580	3.4	2.3	28.1	54.4	11.8	0.1	33.8	36.8	30.6
Turkey	640	2.3	0.3	8.2	73.4	15.7	0.0	10.8	13.0	9.1
Ukraine	620	4.5	4.8	2.7	73.5	14.5	0.0	12.0	13.0	11.0
United States	1063	6.9	6.7	29.3	48.9	8.0	0.2	43.0	45.2	40.4
International Avg.	640	5.1	1.9	13.7	56.0	23.1	0.2	20.7	23.0	18.4
Basque Country, Spain	333	0.5	1.2	10.3	61.3	26.7	0.0	12.0	15.9	8.8
British Columbia, Canada	610	14.3	2.9	18.2	44.3	20.0	0.4	35.4	41.3	28.8
Dubai, UAE	460	9.0	5.3	18.2	44.8	22.4	0.3	32.5	39.2	25.6
Massachusetts, US	274	12.5	6.7	37.1	37.0	6.7	0.0	56.3	60.8	51.6
Minnesota, US	249	8.5	6.4	33.8	47.3	4.0	0.0	48.7	54.5	42.4
Ontario, Canada	476	12.9	3.1	23.2	49.3	11.5	0.0	39.2	41.4	36.9
Quebec, Canada	587	9.0	2.0	18.3	56.4	14.2	0.1	29.3	35.0	24.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Knowing (S042068 - S14_06)
 Label: Which one is a mixture
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	22.8	22.8	26.2	22.2	23.3	5.3	0.2	25.3	20.3
Armenia	687	55.0	55.0	20.3	5.4	7.0	12.0	0.3	56.4	53.8
Australia	582	21.6	21.6	30.1	22.6	20.6	4.4	0.7	22.0	21.1
Bahrain	604	39.9	39.9	30.1	11.6	17.5	0.9	0.0	44.0	36.0
Bosnia and Herzegovina	594	49.6	49.6	29.3	12.2	6.3	2.7	0.0	58.5	40.0
Botswana	607	25.2	25.2	22.3	29.9	21.5	1.1	0.0	25.7	24.7
Bulgaria	430	43.3	43.3	31.7	12.8	8.6	3.1	0.4	47.6	38.9
Chinese Taipei	574	68.6	68.6	11.1	13.1	6.8	0.4	0.0	66.3	70.7
Colombia	694	11.9	11.9	34.7	19.6	32.0	0.4	1.4	11.5	12.4
Cyprus	625	23.1	23.1	26.3	22.4	27.3	0.9	0.0	23.1	23.1
Czech Republic	689	50.6	50.6	19.7	16.4	10.0	3.4	0.0	57.7	44.0
Egypt	937	44.7	44.7	22.7	14.0	17.7	1.0	0.0	48.4	40.9
El Salvador	580	7.4	7.4	42.4	13.6	33.8	1.6	1.2	7.5	7.1
England	570	40.9	40.9	23.8	13.3	20.6	1.4	0.0	41.0	40.8
Georgia	599	42.7	42.7	14.1	11.6	28.2	2.8	0.6	46.6	38.7
Ghana	753	33.0	33.0	35.7	16.2	12.8	2.2	0.0	31.4	34.3
Hong Kong SAR	499	49.3	49.3	9.9	26.6	13.4	0.3	0.6	51.2	47.5
Hungary	596	64.1	64.1	19.0	5.9	8.4	2.6	0.0	64.4	63.7
Indonesia	598	21.9	21.9	14.3	30.8	31.7	0.8	0.5	23.6	20.4
Iran, Islamic Rep. of	570	44.1	44.1	18.9	16.4	18.6	2.1	0.0	46.9	41.7
Israel	453	40.1	40.1	22.4	16.6	18.3	1.6	1.0	41.0	39.2
Italy	626	25.8	25.8	23.5	21.1	28.2	1.1	0.4	26.2	25.3
Japan	621	43.1	43.1	27.1	14.8	9.9	5.2	0.0	41.5	44.6
Jordan	746	48.1	48.1	18.8	17.2	14.2	1.7	0.0	53.1	43.6
Korea, Rep. of	607	57.5	57.5	8.6	27.0	6.5	0.3	0.0	58.6	56.5
Kuwait	584	32.5	32.5	25.7	10.2	24.9	5.3	1.5	36.1	28.3
Lebanon	504	44.0	44.0	26.8	15.8	12.3	0.4	0.7	43.0	45.3
Lithuania	552	39.3	39.3	28.1	7.8	24.6	0.2	0.0	43.5	35.3
Malaysia	641	28.1	28.1	14.1	33.4	23.4	0.6	0.5	28.7	27.5
Malta	665	26.7	26.7	19.1	25.0	27.7	1.5	0.0	24.7	28.8
Morocco	429	37.2	37.2	22.6	13.4	23.7	2.7	0.3	40.5	33.6
Norway	646	23.0	23.0	18.9	33.6	21.3	3.1	0.2	23.7	22.2
Oman	676	29.4	29.4	28.5	14.3	26.9	0.8	0.1	29.7	29.0
Palestinian Nat'l Auth.	623	41.0	41.0	16.1	20.6	20.7	1.6	0.0	45.3	36.6
Qatar	1033	27.5	27.5	36.0	14.8	17.6	3.9	0.2	31.9	23.1
Romania	597	35.4	35.4	33.4	10.7	17.5	3.0	0.0	40.1	31.4
Russian Federation	640	54.6	54.6	25.2	7.3	11.5	1.2	0.2	57.9	51.3
Saudi Arabia	599	30.1	30.1	21.1	15.4	30.8	2.7	0.0	27.1	32.7
Scotland	582	30.5	30.5	24.8	15.7	26.0	2.7	0.2	31.4	29.5
Serbia	565	57.6	57.6	22.4	10.1	8.9	1.0	0.0	69.2	45.9
Singapore	651	48.9	48.9	20.0	15.4	15.2	0.5	0.0	49.5	48.4
Slovenia	565	61.4	61.4	18.4	10.8	3.1	6.4	0.0	66.5	57.0
Sweden	732	24.1	24.1	33.3	27.9	12.0	2.7	0.0	27.0	21.5
Syrian Arab Republic	678	33.1	33.1	40.3	13.1	9.1	4.0	0.4	34.7	31.3
Thailand	773	24.1	24.1	16.7	40.6	17.5	0.9	0.3	27.0	21.5
Tunisia	581	37.4	37.4	20.6	15.5	21.3	5.1	0.1	32.8	42.2
Turkey	640	34.0	34.0	15.8	25.8	23.5	0.9	0.0	31.9	35.7
Ukraine	620	45.4	45.4	23.0	14.5	14.8	2.3	0.0	50.6	40.3
United States	1063	19.1	19.1	34.8	24.2	20.9	0.8	0.3	20.6	17.4
International Avg.	638	37.5	37.5	23.9	17.7	18.3	2.3	0.3	39.4	35.6
Basque Country, Spain	333	18.3	18.3	38.9	22.9	18.3	1.6	0.0	18.8	17.9
British Columbia, Canada	610	17.9	17.9	24.9	26.9	28.2	1.7	0.4	18.5	17.3
Dubai, UAE	460	50.6	50.6	22.2	10.6	13.3	3.0	0.3	54.8	46.3
Massachusetts, US	274	30.7	30.7	30.8	21.8	15.9	0.9	0.0	27.3	34.1
Minnesota, US	249	23.1	23.1	29.2	22.3	24.5	0.9	0.0	20.4	26.0
Ontario, Canada	476	13.8	13.8	26.8	29.9	28.4	1.1	0.0	12.5	15.2
Quebec, Canada	587	23.2	23.2	21.6	30.9	21.9	2.1	0.1	22.4	24.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042216 - S14_07)
 Label: Student reading a book
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	.	.	.	.	.	.	.	.	.	.
Armenia	690	46.2	8.6	25.5	6.6	46.2	12.9	0.3	49.2	43.6
Australia	582	51.1	5.0	37.5	3.0	51.1	2.6	0.7	50.5	51.7
Bahrain	604	62.3	5.5	24.3	7.0	62.3	0.8	0.0	72.1	52.7
Bosnia and Herzegovina	594	49.0	8.0	34.3	7.5	49.0	1.2	0.0	54.1	43.5
Botswana	607	54.1	8.1	27.8	9.5	54.1	0.5	0.0	50.4	58.1
Bulgaria	430	42.3	8.6	38.9	6.9	42.3	2.7	0.6	46.0	38.5
Chinese Taipei	574	83.1	1.9	13.5	1.3	83.1	0.2	0.0	79.3	86.7
Colombia	694	40.5	8.5	39.1	9.9	40.5	0.6	1.4	40.0	40.9
Cyprus	625	54.6	3.9	35.5	4.3	54.6	1.6	0.0	56.4	52.9
Czech Republic	689	49.7	3.9	42.4	3.9	49.7	0.2	0.0	53.3	46.3
Egypt	941	54.9	7.3	23.0	12.5	54.9	2.3	0.0	58.8	51.0
El Salvador	581	30.5	13.2	36.8	16.6	30.5	1.8	1.2	32.2	28.6
England	570	83.0	2.0	13.1	1.6	83.0	0.3	0.0	84.6	81.1
Georgia	599	41.8	9.8	38.3	7.6	41.8	2.1	0.6	45.4	38.0
Ghana	753	22.6	18.0	33.9	20.3	22.6	4.9	0.2	18.4	25.9
Hong Kong SAR	499	66.5	4.0	26.3	2.4	66.5	0.2	0.6	64.7	68.1
Hungary	596	56.6	4.0	35.2	4.3	56.6	0.0	0.0	58.4	54.7
Indonesia	598	62.1	7.2	24.5	5.3	62.1	0.4	0.5	62.6	61.6
Iran, Islamic Rep. of	570	62.2	5.0	24.9	7.4	62.2	0.4	0.0	69.5	56.2
Israel	453	51.0	6.1	31.4	9.3	51.0	1.2	1.0	50.0	52.3
Italy	626	43.0	5.5	44.3	6.3	43.0	0.5	0.4	44.8	41.1
Japan	621	73.3	2.7	22.1	1.6	73.3	0.4	0.0	75.3	71.3
Jordan	746	60.1	5.6	25.4	7.7	60.1	1.2	0.0	65.3	55.2
Korea, Rep. of	607	87.2	3.0	9.0	0.7	87.2	0.1	0.0	87.0	87.3
Kuwait	584	66.6	4.8	20.2	4.9	66.6	2.1	1.5	72.9	59.3
Lebanon	531	55.9	6.1	31.2	5.5	55.9	0.6	0.7	59.5	51.2
Lithuania	562	59.4	2.6	32.9	5.0	59.4	0.1	0.0	63.3	55.6
Malaysia	641	62.9	3.6	29.6	3.2	62.9	0.2	0.7	70.4	54.7
Malta	668	73.2	3.9	17.3	4.9	73.2	0.6	0.2	76.2	70.1
Morocco	445	51.3	3.5	29.6	11.8	51.3	3.2	0.5	52.7	49.7
Norway	646	40.4	5.7	47.5	5.6	40.4	0.6	0.2	39.8	41.1
Oman	676	56.7	3.9	31.1	7.5	56.7	0.6	0.1	67.3	45.2
Palestinian Nat'l Auth.	623	52.6	7.2	26.6	13.0	52.6	0.6	0.0	54.9	50.2
Qatar	1033	51.6	9.6	27.4	9.5	51.6	1.8	0.2	56.7	46.3
Romania	599	34.5	9.6	47.4	6.9	34.5	1.6	0.0	37.7	31.8
Russian Federation	640	35.0	5.2	54.9	3.8	35.0	0.8	0.2	36.7	33.2
Saudi Arabia	601	38.1	8.8	42.7	9.4	38.1	1.1	0.0	41.6	34.8
Scotland	582	59.7	5.0	30.7	3.9	59.7	0.5	0.2	57.4	62.3
Serbia	575	44.0	13.2	37.2	4.8	44.0	0.9	0.0	46.4	41.7
Singapore	651	82.9	2.4	10.2	4.3	82.9	0.2	0.0	80.9	84.9
Slovenia	565	74.7	2.8	19.3	2.8	74.7	0.4	0.0	74.6	74.9
Sweden	732	56.2	5.9	32.8	4.6	56.2	0.5	0.0	56.6	55.7
Syrian Arab Republic	.	.	.	.	.	.	.	.	.	.
Thailand	773	51.4	10.2	33.6	3.9	51.4	0.6	0.3	57.5	45.8
Tunisia	581	57.7	3.3	31.0	5.8	57.7	2.1	0.1	54.3	61.1
Turkey	640	30.4	16.0	44.1	9.4	30.4	0.2	0.0	33.1	28.2
Ukraine	620	35.4	9.6	49.7	4.6	35.4	0.7	0.0	38.8	32.1
United States	1063	57.2	2.6	35.7	3.7	57.2	0.5	0.3	57.9	56.5
International Avg.	636	54.4	6.4	31.3	6.4	54.4	1.3	0.3	56.5	52.2
Basque Country, Spain	333	60.8	2.8	30.5	5.2	60.8	0.6	0.0	66.6	56.1
British Columbia, Canada	610	72.0	0.8	22.9	2.8	72.0	1.0	0.4	71.3	72.8
Dubai, UAE	460	69.6	2.5	23.1	3.5	69.6	1.1	0.3	73.7	65.3
Massachusetts, US	274	61.9	2.7	31.5	2.6	61.9	1.3	0.0	58.5	65.4
Minnesota, US	249	63.3	1.9	32.5	2.3	63.3	0.0	0.0	66.1	60.3
Ontario, Canada	476	65.3	0.7	31.1	2.1	65.3	0.9	0.0	64.2	66.3
Quebec, Canada	587	47.5	1.0	49.0	1.7	47.5	0.7	0.1	49.3	45.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S042249 - S14_08)
 Label: Example of a lever
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	5.2	7.0	5.2	59.9	24.2	3.4	0.2	5.0	5.4
Armenia	689	38.1	15.7	38.1	17.6	14.8	13.5	0.3	40.2	36.3
Australia	582	70.1	10.7	70.1	6.2	9.9	2.3	0.7	67.8	72.4
Bahrain	604	19.9	6.0	19.9	56.2	16.3	1.6	0.1	26.8	13.0
Bosnia and Herzegovina	594	28.5	52.7	28.5	13.0	4.8	1.1	0.0	29.4	27.5
Botswana	607	18.8	40.0	18.8	23.2	15.7	2.3	0.0	15.7	22.2
Bulgaria	430	47.1	40.2	47.1	7.9	2.8	1.0	1.0	47.5	46.6
Chinese Taipei	574	44.4	44.1	44.4	8.6	2.5	0.3	0.0	35.2	53.1
Colombia	694	53.6	16.0	53.6	10.8	17.4	0.7	1.5	50.0	57.3
Cyprus	625	64.1	17.2	64.1	2.8	14.4	1.5	0.1	68.3	60.1
Czech Republic	689	90.2	3.6	90.2	3.1	2.2	0.9	0.0	89.2	91.2
Egypt	940	22.3	11.6	22.3	45.0	18.6	2.4	0.2	23.9	20.8
El Salvador	580	47.5	29.3	47.5	11.3	8.1	2.3	1.5	45.5	49.6
England	570	78.5	7.8	78.5	3.4	9.5	0.8	0.0	75.6	82.1
Georgia	599	28.5	27.8	28.5	18.3	22.5	2.2	0.6	26.7	30.5
Ghana	753	45.4	17.2	45.4	16.8	17.1	3.2	0.3	44.1	46.4
Hong Kong SAR	499	63.8	20.9	63.8	9.7	4.8	0.2	0.6	61.8	65.5
Hungary	596	47.3	19.9	47.3	22.8	8.8	1.2	0.0	43.8	51.0
Indonesia	599	61.9	13.2	61.9	14.2	7.8	2.4	0.5	64.4	59.7
Iran, Islamic Rep. of	570	64.7	9.8	64.7	17.3	7.4	0.7	0.0	64.2	65.2
Israel	453	19.2	9.3	19.2	53.3	14.4	2.9	1.0	18.6	19.8
Italy	620	78.9	7.8	78.9	6.3	5.9	0.7	0.4	81.2	76.5
Japan	621	86.4	4.1	86.4	4.5	3.6	1.3	0.2	81.6	91.2
Jordan	745	45.0	4.7	45.0	38.8	10.5	0.9	0.0	58.7	32.3
Korea, Rep. of	607	56.8	13.0	56.8	24.5	5.3	0.3	0.0	51.1	62.3
Kuwait	583	38.6	6.9	38.6	41.1	8.6	3.2	1.5	45.7	30.5
Lebanon	529	36.6	12.3	36.6	23.4	20.2	6.8	0.8	37.8	35.1
Lithuania	561	35.3	39.5	35.3	18.3	5.5	1.4	0.0	29.8	40.7
Malaysia	642	71.3	7.0	71.3	11.9	8.6	0.5	0.7	73.6	68.8
Malta	664	65.5	5.9	65.5	12.6	15.0	0.9	0.2	62.4	68.6
Morocco	441	9.9	5.8	9.9	58.9	19.6	5.3	0.6	12.4	7.2
Norway	646	26.2	27.8	26.2	26.1	16.6	3.1	0.2	28.8	23.4
Oman	676	36.1	7.1	36.1	43.9	11.7	1.1	0.1	46.0	25.2
Palestinian Nat'l Auth.	623	11.0	8.8	11.0	54.0	25.5	0.8	0.0	14.6	7.2
Qatar	1032	29.1	9.9	29.1	41.9	16.7	2.2	0.2	39.0	18.9
Romania	599	31.0	16.3	31.0	33.0	18.1	1.6	0.0	31.9	30.3
Russian Federation	640	81.8	3.5	81.8	0.9	11.3	2.4	0.2	78.4	85.2
Saudi Arabia	602	9.8	8.9	9.8	65.9	14.2	1.1	0.0	11.7	8.1
Scotland	582	69.6	10.3	69.6	4.9	13.7	1.4	0.2	69.6	69.5
Serbia	570	31.8	48.9	31.8	15.9	2.0	1.4	0.0	30.7	32.9
Singapore	651	84.9	3.5	84.9	7.7	3.6	0.3	0.0	85.5	84.4
Slovenia	565	48.3	7.6	48.3	11.0	29.2	3.8	0.0	46.2	50.1
Sweden	732	52.9	27.4	52.9	14.3	3.4	2.0	0.0	50.7	55.1
Syrian Arab Republic	678	17.1	11.9	17.1	52.8	15.3	2.6	0.4	17.4	16.7
Thailand	773	22.7	26.5	22.7	37.9	11.4	1.1	0.3	23.5	22.1
Tunisia	581	10.3	3.9	10.3	64.3	16.3	5.1	0.1	12.5	8.1
Turkey	640	48.1	12.3	48.1	27.5	11.2	0.9	0.0	49.9	46.6
Ukraine	620	57.9	19.1	57.9	10.1	11.0	1.9	0.0	54.4	61.5
United States	1063	62.7	8.7	62.7	17.6	10.1	0.7	0.3	57.2	68.9
International Avg.	639	45.2	16.1	45.2	24.3	12.0	2.1	0.3	45.4	45.0
Basque Country, Spain	333	83.4	11.9	83.4	3.3	0.9	0.4	0.0	88.2	79.5
British Columbia, Canada	610	69.7	10.5	69.7	11.0	7.5	0.7	0.4	69.0	70.5
Dubai, UAE	460	55.5	11.9	55.5	21.2	9.0	2.0	0.3	56.6	54.4
Massachusetts, US	274	71.2	6.4	71.2	9.9	10.3	2.1	0.0	69.0	73.6
Minnesota, US	249	61.9	11.6	61.9	16.3	10.3	0.0	0.0	60.4	63.4
Ontario, Canada	476	75.5	7.7	75.5	9.4	6.2	1.2	0.0	70.4	80.9
Quebec, Canada	587	74.8	3.0	74.8	13.4	7.4	1.3	0.1	77.2	72.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S042094 - S14_09)
 Label: Why plastic bottle cracked
 Type: CR Key: -

COUNTRY	N	10	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	757	9.4	0.9	0.7	74.3	14.1	0.6	9.4	9.3	9.5
Armenia	688	30.2	4.1	0.5	38.9	26.1	0.3	30.2	33.0	27.7
Australia	582	57.4	0.8	1.5	34.8	4.7	0.7	57.4	54.9	59.9
Bahrain	604	22.1	1.5	4.2	60.0	12.1	0.2	22.1	28.1	16.1
Bosnia and Herzegovina	594	29.0	0.8	0.6	57.2	12.4	0.0	29.0	31.4	26.5
Botswana	607	12.9	0.6	2.7	76.8	7.0	0.0	12.9	13.2	12.5
Bulgaria	430	36.8	0.3	1.2	36.1	24.4	1.0	36.8	38.7	34.9
Chinese Taipei	574	56.0	2.3	0.9	34.1	6.7	0.0	56.0	53.3	58.6
Colombia	695	3.5	1.2	0.5	79.0	13.9	1.9	3.5	4.0	3.0
Cyprus	625	39.6	3.3	3.4	40.8	12.8	0.1	39.6	43.2	36.1
Czech Republic	689	58.5	0.1	1.3	36.8	3.4	0.0	58.5	52.4	64.0
Egypt	945	13.5	3.4	5.9	63.8	13.2	0.2	13.5	15.1	11.9
El Salvador	581	10.0	0.2	1.3	73.5	13.6	1.5	10.0	8.2	11.8
England	570	61.6	1.0	4.3	29.5	3.6	0.0	61.6	62.2	60.8
Georgia	599	28.3	1.2	3.1	43.9	22.9	0.6	28.3	25.1	31.6
Ghana	753	3.8	0.6	0.3	68.9	26.0	0.3	3.8	4.1	3.6
Hong Kong SAR	499	26.8	12.7	1.9	44.4	13.5	0.8	26.8	22.4	30.7
Hungary	596	57.9	0.5	1.7	33.2	6.8	0.0	57.9	59.1	56.6
Indonesia	597	12.2	7.9	1.3	73.2	4.8	0.6	12.2	10.9	13.4
Iran, Islamic Rep. of	570	23.1	5.9	4.1	55.2	11.7	0.0	23.1	21.1	24.7
Israel	453	23.7	2.5	3.6	52.2	16.7	1.3	23.7	25.6	21.4
Italy	626	53.9	0.5	2.2	33.0	10.1	0.4	53.9	52.4	55.6
Japan	621	48.8	0.0	0.0	41.8	8.9	0.4	48.8	45.3	52.3
Jordan	745	42.3	4.7	1.4	46.1	5.5	0.0	42.3	49.2	35.8
Korea, Rep. of	607	68.4	0.3	0.8	26.8	3.8	0.0	68.4	66.8	69.9
Kuwait	582	17.8	3.7	5.7	50.7	20.7	1.5	17.8	21.1	14.1
Lebanon	534	20.5	1.6	1.1	50.1	25.9	0.8	20.5	19.8	21.6
Lithuania	563	37.7	4.6	2.9	48.7	6.2	0.0	37.7	31.7	43.4
Malaysia	642	11.9	1.8	1.6	74.5	9.5	0.8	11.9	11.1	12.7
Malta	669	25.1	0.6	2.5	61.1	10.4	0.3	25.1	22.7	27.6
Morocco	449	19.6	3.4	0.8	62.5	13.2	0.5	19.6	20.0	19.1
Norway	646	58.3	2.1	1.8	34.6	3.0	0.2	58.3	58.4	58.3
Oman	676	16.6	2.7	2.4	68.0	10.1	0.3	16.6	19.4	13.5
Palestinian Nat'l Auth.	623	21.1	1.8	1.3	67.9	7.9	0.0	21.1	25.4	16.5
Qatar	1033	7.0	1.2	0.9	57.3	33.3	0.2	7.0	8.5	5.5
Romania	599	31.8	1.0	0.5	57.7	8.8	0.2	31.8	27.0	35.9
Russian Federation	640	42.8	1.3	6.0	40.5	9.2	0.2	42.8	33.7	52.0
Saudi Arabia	603	4.1	0.2	1.5	80.9	13.3	0.0	4.1	3.9	4.3
Scotland	582	39.4	0.7	2.5	50.7	6.5	0.2	39.4	39.3	39.5
Serbia	578	26.1	2.8	0.0	55.1	16.1	0.0	26.1	24.1	28.1
Singapore	651	41.2	11.5	1.9	41.5	3.9	0.0	41.2	40.2	42.2
Slovenia	565	48.6	1.3	0.8	47.3	1.9	0.0	48.6	46.4	50.6
Sweden	732	45.8	2.1	5.4	38.1	8.7	0.0	45.8	44.0	47.5
Syrian Arab Republic	678	44.4	1.9	2.5	41.3	9.5	0.4	44.4	37.9	51.8
Thailand	773	23.1	0.6	2.4	62.5	10.9	0.4	23.1	22.9	23.3
Tunisia	581	15.0	3.5	1.0	72.7	7.7	0.1	15.0	12.2	17.9
Turkey	640	19.1	1.8	0.4	69.3	9.4	0.0	19.1	18.4	19.7
Ukraine	620	35.4	7.8	5.7	45.1	6.0	0.1	35.4	31.7	39.0
United States	1063	41.7	1.4	3.4	49.8	3.2	0.4	41.7	38.4	45.4
International Avg.	639	31.1	2.4	2.1	52.7	11.3	0.4	31.1	30.4	31.8
Basque Country, Spain	333	60.0	1.1	0.3	34.2	4.4	0.0	60.0	62.9	57.6
British Columbia, Canada	610	48.5	3.9	3.8	34.8	8.6	0.4	48.5	49.5	47.4
Dubai, UAE	460	37.4	3.4	5.4	42.5	11.0	0.3	37.4	38.7	36.1
Massachusetts, US	274	51.5	1.2	3.8	36.8	6.8	0.0	51.5	51.9	51.1
Minnesota, US	249	54.5	2.0	8.0	33.5	2.0	0.0	54.5	57.2	51.6
Ontario, Canada	476	55.8	3.2	3.4	33.4	4.2	0.0	55.8	57.4	54.1
Quebec, Canada	587	44.5	1.1	3.5	46.1	4.6	0.2	44.5	41.0	47.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Knowing (S042293A - S14_10A)
 Label: Force causing the ball to fall
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	770	32.7	44.5	22.0	0.7	32.7	27.6	38.0
Armenia	687	30.6	33.8	35.3	0.3	30.6	32.6	28.8
Australia	582	78.8	11.6	8.9	0.7	78.8	76.6	80.9
Bahrain	604	46.0	39.7	14.1	0.3	46.0	44.9	47.0
Bosnia and Herzegovina	594	53.1	12.7	33.6	0.6	53.1	56.8	49.3
Botswana	607	19.5	58.9	21.6	0.0	19.5	17.5	21.7
Bulgaria	430	36.0	16.1	45.9	2.0	36.0	36.4	35.7
Chinese Taipei	574	80.2	13.0	6.8	0.0	80.2	76.2	84.0
Colombia	695	37.3	30.7	29.8	2.3	37.3	29.6	45.2
Cyprus	625	33.3	34.8	31.3	0.7	33.3	30.2	36.3
Czech Republic	689	81.5	10.3	8.1	0.1	81.5	79.6	83.2
Egypt	944	36.3	49.9	13.1	0.6	36.3	39.5	33.2
El Salvador	581	27.8	28.6	42.2	1.5	27.8	20.5	35.4
England	570	91.7	4.9	3.5	0.0	91.7	89.8	94.0
Georgia	599	34.2	7.4	57.2	1.1	34.2	34.8	33.6
Ghana	753	27.4	30.3	40.6	1.8	27.4	22.5	31.1
Hong Kong SAR	499	70.0	17.0	12.2	0.8	70.0	68.0	71.7
Hungary	596	72.4	12.2	15.4	0.0	72.4	69.2	75.8
Indonesia	599	55.5	20.2	23.5	0.8	55.5	56.3	54.9
Iran, Islamic Rep. of	570	73.7	13.4	12.7	0.2	73.7	73.3	74.1
Israel	453	69.1	13.9	15.8	1.3	69.1	70.9	66.9
Italy	626	60.3	13.4	25.8	0.5	60.3	58.8	61.8
Japan	621	73.1	21.6	4.7	0.6	73.1	67.6	78.5
Jordan	745	66.2	22.2	11.4	0.2	66.2	66.9	65.5
Korea, Rep. of	607	85.8	12.5	1.7	0.0	85.8	81.4	90.0
Kuwait	584	67.0	19.3	11.6	2.1	67.0	70.2	63.3
Lebanon	534	38.3	42.0	17.8	2.0	38.3	37.3	39.6
Lithuania	563	57.9	27.0	15.1	0.0	57.9	54.3	61.4
Malaysia	642	60.0	27.6	11.6	0.8	60.0	60.1	59.9
Malta	669	57.8	28.9	12.7	0.6	57.8	52.6	63.1
Morocco	448	36.1	35.1	28.1	0.7	36.1	33.7	38.8
Norway	646	63.8	21.1	14.9	0.2	63.8	61.0	66.8
Oman	676	60.5	27.7	11.4	0.4	60.5	64.7	55.9
Palestinian Nat'l Auth.	623	57.5	29.4	13.1	0.0	57.5	60.1	54.8
Qatar	1033	38.0	23.1	38.6	0.2	38.0	47.8	28.0
Romania	599	37.3	28.5	34.1	0.2	37.3	33.8	40.3
Russian Federation	640	62.1	13.1	24.6	0.2	62.1	60.9	63.3
Saudi Arabia	603	40.4	43.6	15.7	0.2	40.4	38.5	42.1
Scotland	582	77.6	12.8	9.4	0.2	77.6	73.7	82.0
Serbia	577	64.3	10.6	24.8	0.3	64.3	66.9	61.8
Singapore	651	75.8	18.7	5.5	0.0	75.8	75.0	76.7
Slovenia	565	63.1	31.6	5.3	0.0	63.1	58.8	66.8
Sweden	732	65.1	17.2	17.6	0.1	65.1	63.4	66.6
Syrian Arab Republic	678	73.7	14.6	11.2	0.5	73.7	71.4	76.3
Thailand	773	47.1	24.6	28.0	0.4	47.1	46.8	47.4
Tunisia	580	58.1	33.6	8.1	0.1	58.1	50.9	65.5
Turkey	640	37.9	22.1	39.8	0.2	37.9	40.8	35.6
Ukraine	620	58.1	8.6	33.2	0.1	58.1	58.0	58.2
United States	1063	78.3	14.4	6.9	0.4	78.3	75.9	81.0
International Avg.	640	56.1	23.4	19.9	0.5	56.1	54.8	57.4
Basque Country, Spain	333	57.5	29.6	12.9	0.0	57.5	52.2	61.7
British Columbia, Canada	610	83.9	8.9	6.5	0.7	83.9	83.9	83.9
Dubai, UAE	460	69.1	16.6	13.9	0.4	69.1	67.5	70.7
Massachusetts, US	274	85.2	8.9	5.9	0.0	85.2	82.8	87.7
Minnesota, US	249	88.1	11.6	0.3	0.0	88.1	85.4	91.0
Ontario, Canada	476	87.9	8.6	3.5	0.0	87.9	86.2	89.6
Quebec, Canada	587	63.7	26.9	9.2	0.2	63.7	57.0	69.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042293B - S14_10B)
 Label: Ball bouncing up again
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	770	1.0	32.3	60.8	5.3	0.7	1.0	0.5	1.4
Armenia	689	21.0	52.0	16.0	10.7	0.3	21.0	25.9	16.9
Australia	582	12.5	77.2	8.7	1.0	0.7	12.5	12.4	12.6
Bahrain	604	10.0	44.0	41.2	4.4	0.4	10.0	10.4	9.7
Bosnia and Herzegovina	594	6.6	52.2	36.1	4.1	0.9	6.6	6.2	7.1
Botswana	607	9.7	45.5	43.2	1.2	0.4	9.7	9.8	9.5
Bulgaria	430	6.5	62.1	23.2	6.2	2.0	6.5	9.9	2.9
Chinese Taipei	574	13.0	74.0	12.6	0.4	0.0	13.0	11.2	14.8
Colombia	695	1.5	58.4	35.2	1.3	3.6	1.5	0.6	2.5
Cyprus	625	6.7	76.7	14.1	1.8	0.7	6.7	7.5	6.0
Czech Republic	689	14.1	74.6	9.8	1.4	0.1	14.1	12.3	15.8
Egypt	151	5.5	22.6	35.9	36.0	0.0	5.5	8.7	3.6
El Salvador	581	18.4	36.8	39.8	3.5	1.5	18.4	15.5	21.4
England	570	15.8	72.8	10.3	0.7	0.3	15.8	14.6	17.3
Georgia	599	4.7	54.0	21.7	18.4	1.2	4.7	3.2	6.1
Ghana	753	2.5	33.4	45.5	16.1	2.5	2.5	2.2	2.8
Hong Kong SAR	499	12.4	72.3	13.6	0.6	1.0	12.4	12.7	12.2
Hungary	596	12.1	69.9	16.1	1.9	0.0	12.1	13.5	10.6
Indonesia	599	8.1	52.1	36.9	2.0	0.9	8.1	6.9	9.1
Iran, Islamic Rep. of	570	22.9	52.6	23.0	1.1	0.4	22.9	29.0	17.8
Israel	453	14.9	56.1	24.9	2.8	1.3	14.9	15.1	14.7
Italy	626	22.4	58.3	15.6	2.9	0.8	22.4	21.5	23.2
Japan	621	8.0	77.4	12.6	1.2	0.9	8.0	8.0	7.9
Jordan	745	6.4	42.1	48.8	2.5	0.2	6.4	7.1	5.8
Korea, Rep. of	607	6.0	83.4	9.6	1.0	0.0	6.0	2.9	9.0
Kuwait	584	1.9	30.7	59.7	5.4	2.3	1.9	1.8	1.9
Lebanon	534	10.4	42.3	41.7	3.6	2.0	10.4	8.7	12.5
Lithuania	563	9.6	83.8	5.9	0.7	0.0	9.6	9.3	9.9
Malaysia	642	11.5	59.0	25.0	3.5	1.0	11.5	10.4	12.6
Malta	669	18.5	60.5	19.4	0.9	0.6	18.5	20.1	16.9
Morocco	449	5.7	30.7	57.9	5.1	0.7	5.7	3.9	7.7
Norway	646	2.9	87.3	9.0	0.6	0.2	2.9	2.4	3.4
Oman	676	6.8	38.3	53.3	1.1	0.5	6.8	7.1	6.4
Palestinian Nat'l Auth.	623	2.5	41.4	53.4	2.6	0.0	2.5	3.7	1.3
Qatar	1033	2.1	40.3	54.1	3.3	0.2	2.1	2.6	1.6
Romania	599	9.2	68.4	20.0	2.3	0.2	9.2	9.1	9.2
Russian Federation	640	7.8	79.9	9.1	3.0	0.3	7.8	6.5	9.0
Saudi Arabia	603	4.3	36.8	54.3	4.3	0.3	4.3	3.6	5.0
Scotland	582	8.0	73.4	17.2	1.2	0.2	8.0	7.9	8.1
Serbia	577	5.5	67.7	23.5	3.0	0.4	5.5	5.1	5.8
Singapore	651	48.9	39.9	11.1	0.1	0.0	48.9	48.7	49.1
Slovenia	565	12.9	71.9	14.5	0.7	0.0	12.9	14.0	12.0
Sweden	732	6.8	84.0	7.9	0.7	0.5	6.8	7.4	6.2
Syrian Arab Republic	678	6.2	53.0	36.1	4.3	0.5	6.2	6.7	5.6
Thailand	773	8.6	62.2	24.1	4.7	0.4	8.6	9.8	7.6
Tunisia	580	6.4	51.4	40.4	1.6	0.2	6.4	3.9	9.0
Turkey	640	4.3	62.3	29.6	3.3	0.5	4.3	3.3	5.0
Ukraine	620	3.1	77.8	17.0	2.0	0.1	3.1	2.2	4.1
United States	1063	10.6	73.6	13.5	1.8	0.4	10.6	9.4	12.0
International Avg.	623	9.7	58.2	27.6	3.8	0.7	9.7	9.7	9.8
Basque Country, Spain	333	3.7	76.1	18.9	1.3	0.0	3.7	3.5	3.8
British Columbia, Canada	610	15.0	68.7	13.7	1.7	0.9	15.0	13.4	16.7
Dubai, UAE	460	13.2	54.8	29.6	2.0	0.4	13.2	11.8	14.6
Massachusetts, US	274	19.8	68.8	8.9	2.5	0.0	19.8	21.4	18.1
Minnesota, US	249	7.5	82.9	9.2	0.4	0.0	7.5	4.5	10.6
Ontario, Canada	476	10.2	74.8	14.4	0.6	0.0	10.2	13.6	6.7
Quebec, Canada	587	4.3	82.9	12.2	0.4	0.2	4.3	3.1	5.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Physics / Applying (S042195 - S14_11)
 Label: What is the resistance in a circuit
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	759	6.9	9.9	51.6	30.9	0.7	6.9	7.5	6.3
Armenia	688	76.9	2.1	17.1	3.3	0.7	76.9	81.5	72.9
Australia	582	3.4	3.6	68.6	23.7	0.7	3.4	3.2	3.5
Bahrain	604	9.3	5.1	69.5	15.4	0.7	9.3	10.4	8.3
Bosnia and Herzegovina	594	30.0	8.2	29.5	31.4	0.9	30.0	34.1	25.6
Botswana	608	1.4	1.3	85.9	11.0	0.4	1.4	2.0	0.7
Bulgaria	430	23.2	6.3	31.8	36.5	2.3	23.2	25.7	20.6
Chinese Taipei	574	11.8	3.7	64.2	20.3	0.0	11.8	11.8	11.7
Colombia	695	1.0	2.4	62.2	30.5	3.8	1.0	0.2	1.9
Cyprus	625	5.6	3.3	46.5	43.9	0.7	5.6	5.3	5.9
Czech Republic	689	34.4	11.5	34.5	19.5	0.1	34.4	38.6	30.5
Egypt	943	17.4	9.6	58.1	14.1	0.8	17.4	17.5	17.4
El Salvador	581	1.1	6.1	54.8	36.4	1.6	1.1	0.5	1.8
England	570	7.1	3.8	75.8	13.0	0.3	7.1	7.0	7.1
Georgia	599	15.2	4.1	25.2	54.3	1.2	15.2	16.8	13.5
Ghana	753	2.9	2.0	53.1	38.9	3.1	2.9	1.6	4.0
Hong Kong SAR	499	10.3	1.0	77.3	10.4	1.0	10.3	10.8	9.8
Hungary	596	36.7	14.6	25.0	23.6	0.0	36.7	38.3	35.1
Indonesia	598	11.9	8.5	63.1	15.6	0.9	11.9	12.8	11.0
Iran, Islamic Rep. of	570	13.6	6.8	58.6	20.6	0.4	13.6	15.5	12.1
Israel	453	5.1	0.5	50.7	42.4	1.3	5.1	3.9	6.6
Italy	625	20.4	7.7	32.9	38.3	0.8	20.4	20.7	20.0
Japan	621	68.2	0.5	23.8	6.5	0.9	68.2	68.0	68.4
Jordan	746	30.7	8.9	50.2	9.7	0.5	30.7	36.8	25.0
Korea, Rep. of	607	65.6	0.3	30.0	4.1	0.0	65.6	63.1	68.0
Kuwait	584	0.0	0.6	68.8	28.3	2.3	0.0	0.0	0.0
Lebanon	534	5.5	3.3	50.5	38.6	2.0	5.5	5.3	5.8
Lithuania	563	11.6	8.2	33.8	46.4	0.0	11.6	11.6	11.6
Malaysia	642	14.2	8.0	64.0	12.8	1.0	14.2	17.8	10.3
Malta	669	8.6	13.6	54.0	23.2	0.6	8.6	6.7	10.4
Morocco	448	16.1	11.0	37.6	34.6	0.7	16.1	17.7	14.2
Norway	646	1.7	1.4	68.0	28.7	0.2	1.7	1.8	1.6
Oman	676	12.1	10.7	68.4	8.3	0.5	12.1	15.3	8.7
Palestinian Nat'l Auth.	623	12.5	16.2	64.4	6.8	0.2	12.5	13.9	11.0
Qatar	1033	1.9	3.1	72.1	22.8	0.2	1.9	1.9	1.8
Romania	599	22.9	3.7	47.8	25.4	0.2	22.9	27.9	18.7
Russian Federation	640	45.0	14.9	22.7	17.2	0.3	45.0	50.2	39.8
Saudi Arabia	603	2.5	2.0	74.9	20.2	0.3	2.5	3.3	1.7
Scotland	582	5.4	1.3	70.5	22.5	0.2	5.4	5.5	5.3
Serbia	577	23.5	8.7	30.0	37.3	0.4	23.5	29.2	18.0
Singapore	651	51.2	2.6	41.9	4.2	0.0	51.2	59.2	43.6
Slovenia	565	4.1	2.9	73.3	19.6	0.0	4.1	4.1	4.2
Sweden	732	5.7	6.4	54.9	32.5	0.5	5.7	5.0	6.4
Syrian Arab Republic	678	44.1	11.6	33.4	10.4	0.5	44.1	44.4	43.7
Thailand	773	7.3	4.2	67.3	20.8	0.4	7.3	9.6	5.2
Tunisia	580	4.4	4.4	70.6	20.4	0.2	4.4	6.5	2.4
Turkey	640	11.5	4.4	57.6	26.0	0.5	11.5	10.8	12.0
Ukraine	620	32.7	16.1	29.6	21.5	0.1	32.7	38.3	27.2
United States	1063	9.1	11.2	67.0	12.3	0.4	9.1	8.5	9.8
International Avg.	639	17.6	6.2	52.3	23.2	0.7	17.6	18.9	16.4
Basque Country, Spain	333	10.5	8.2	43.7	37.6	0.0	10.5	7.2	13.2
British Columbia, Canada	610	7.2	4.9	63.4	23.6	0.9	7.2	7.2	7.2
Dubai, UAE	460	15.4	10.7	52.4	21.1	0.4	15.4	16.1	14.6
Massachusetts, US	274	10.9	11.7	61.7	15.7	0.0	10.9	8.5	13.4
Minnesota, US	249	9.7	10.4	69.9	10.1	0.0	9.7	8.9	10.4
Ontario, Canada	476	7.1	8.9	64.3	19.8	0.0	7.1	8.1	6.0
Quebec, Canada	587	5.3	5.8	59.4	29.3	0.2	5.3	5.7	5.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Chemistry / Applying (S042400 - S14_12)
 Label: Wood or metal container to keep ice
 Type: CR Key: -

COUNTRY	N	10	11	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	757	4.4	1.7	4.2	2.1	66.4	20.1	1.2	6.1	6.5	5.7
Armenia	688	23.4	2.8	14.7	1.0	26.4	30.7	1.0	26.2	32.6	20.8
Australia	582	4.1	5.5	7.2	38.8	36.2	7.2	1.0	9.5	9.1	10.0
Bahrain	604	11.4	9.4	10.8	7.7	43.5	16.4	0.7	20.8	32.3	9.5
Bosnia and Herzegovina	594	10.3	4.4	4.8	14.1	35.2	30.0	1.2	14.7	14.6	14.9
Botswana	608	6.4	4.1	2.3	9.1	70.6	7.0	0.5	10.5	10.1	10.9
Bulgaria	430	15.2	5.5	1.6	13.6	26.3	35.0	2.8	20.7	27.2	14.0
Chinese Taipei	574	46.2	2.7	2.0	13.4	27.6	7.9	0.2	48.9	43.4	54.1
Colombia	695	3.3	1.6	7.2	10.6	63.8	8.9	4.6	4.9	3.7	6.2
Cyprus	625	21.4	7.8	1.4	9.4	38.8	20.5	0.8	29.2	28.7	29.6
Czech Republic	689	14.7	10.1	7.4	14.5	39.4	13.7	0.3	24.8	22.1	27.3
Egypt	946	7.3	5.4	9.6	3.3	57.1	16.5	0.9	12.7	15.9	9.5
El Salvador	581	1.4	1.7	2.7	5.7	69.8	16.3	2.5	3.0	3.1	3.0
England	570	21.6	20.8	1.2	11.4	37.2	7.5	0.3	42.5	41.0	44.3
Georgia	599	7.3	7.2	6.4	5.0	44.2	28.2	1.8	14.5	17.2	11.7
Ghana	753	3.6	1.8	0.6	2.1	51.4	35.5	4.9	5.5	4.4	6.3
Hong Kong SAR	499	25.6	5.9	3.4	6.4	43.8	13.9	1.0	31.5	29.0	33.7
Hungary	596	20.3	5.8	5.8	20.5	30.1	17.3	0.3	26.1	26.7	25.4
Indonesia	599	9.9	4.6	6.1	3.8	67.4	6.6	1.6	14.5	13.8	15.1
Iran, Islamic Rep. of	570	7.3	8.1	2.8	12.8	55.1	13.4	0.5	15.4	19.2	12.3
Israel	453	17.2	11.8	3.7	6.4	35.4	23.0	2.5	29.0	30.5	27.2
Italy	626	17.9	4.1	11.5	8.7	31.8	24.0	2.0	22.0	20.1	23.8
Japan	621	25.5	12.7	2.6	7.9	38.1	12.3	0.9	38.2	37.7	38.8
Jordan	746	8.5	7.3	2.1	3.8	68.5	9.2	0.5	15.9	19.1	12.8
Korea, Rep. of	607	22.4	1.0	2.7	16.6	48.2	9.2	0.0	23.3	21.3	25.3
Kuwait	584	9.0	3.0	7.5	3.4	53.6	20.9	2.5	12.0	15.3	8.3
Lebanon	534	9.7	2.0	3.4	2.0	50.8	29.8	2.3	11.7	13.9	8.7
Lithuania	563	12.8	1.3	7.9	11.8	49.8	16.2	0.3	14.1	14.4	13.8
Malaysia	642	15.8	4.2	6.2	7.7	54.3	10.6	1.2	20.0	22.0	17.8
Malta	668	9.5	5.2	5.5	9.0	50.9	19.3	0.6	14.7	11.9	17.6
Morocco	449	4.3	1.9	17.5	4.1	44.4	26.4	1.5	6.2	5.3	7.2
Norway	646	4.8	2.1	7.1	22.9	48.8	13.7	0.6	6.9	8.2	5.6
Oman	676	10.4	6.9	7.2	3.4	62.5	9.1	0.6	17.3	22.3	11.9
Palestinian Nat'l Auth.	623	6.6	7.9	7.2	10.1	56.7	11.2	0.2	14.6	18.2	10.7
Qatar	1033	6.5	3.9	5.3	2.0	47.4	34.0	0.9	10.4	13.4	7.3
Romania	599	8.1	1.7	3.6	14.2	53.8	18.0	0.6	9.8	10.2	9.4
Russian Federation	640	29.0	0.8	5.8	19.8	25.1	19.0	0.6	29.8	26.7	33.0
Saudi Arabia	603	5.8	1.5	7.0	1.3	67.3	16.7	0.3	7.4	9.2	5.6
Scotland	582	6.0	11.8	4.5	19.0	45.3	13.1	0.3	17.8	15.6	20.3
Serbia	577	4.1	1.0	3.8	26.3	35.4	28.5	0.9	5.1	5.5	4.6
Singapore	651	55.6	6.8	2.2	6.2	25.5	3.7	0.0	62.5	65.4	59.6
Slovenia	565	11.6	6.0	0.8	15.5	57.8	8.2	0.1	17.6	16.4	18.6
Sweden	732	11.0	8.1	8.2	18.7	37.6	15.5	0.9	19.1	20.0	18.4
Syrian Arab Republic	678	10.4	5.2	16.3	7.1	38.8	21.7	0.5	15.6	14.2	17.2
Thailand	773	8.0	2.1	16.8	3.4	50.5	18.6	0.7	10.1	9.2	10.9
Tunisia	580	19.9	7.4	6.1	4.9	52.6	8.4	0.7	27.3	22.3	32.4
Turkey	640	11.2	8.5	3.8	12.9	46.3	16.9	0.5	19.7	18.7	20.6
Ukraine	620	13.0	4.0	6.0	16.7	44.2	16.0	0.2	17.0	20.0	14.1
United States	1063	11.7	4.5	9.0	27.0	41.8	5.2	0.8	16.2	14.0	18.6
International Avg.	639	13.3	5.3	6.0	10.6	46.8	17.0	1.1	18.6	19.2	18.0
Basque Country, Spain	333	15.0	6.6	6.3	16.4	47.3	8.6	0.0	21.5	21.2	21.8
British Columbia, Canada	610	6.8	3.3	7.0	26.1	44.2	11.5	1.2	10.1	10.0	10.2
Dubai, UAE	460	21.5	4.6	9.8	8.9	41.5	13.2	0.5	26.1	29.8	22.3
Massachusetts, US	274	19.1	5.2	6.7	20.9	39.9	8.2	0.0	24.3	18.2	30.6
Minnesota, US	249	15.7	2.1	9.2	30.3	39.1	3.6	0.0	17.8	15.1	20.8
Ontario, Canada	476	12.0	5.0	8.2	25.4	41.2	8.3	0.0	16.9	15.2	18.8
Quebec, Canada	587	7.5	2.5	10.8	11.1	55.1	12.4	0.6	10.0	9.5	10.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Science: Earth Science / Knowing (S042164 - S14_14)
 Label: Result of gravitational pull of moon
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	23.5	5.6	23.5	38.5	27.5	3.1	1.7	23.6	23.4
Armenia	693	40.0	5.0	40.0	20.2	21.3	1.8	11.7	43.1	37.3
Australia	582	50.4	4.4	50.4	11.0	31.6	1.4	1.2	39.7	60.8
Bahrain	604	40.5	9.8	40.5	17.6	30.0	0.9	1.3	44.1	36.9
Bosnia and Herzegovina	594	56.1	5.1	56.1	8.9	27.4	0.7	1.7	56.0	56.3
Botswana	607	13.7	26.0	13.7	13.3	42.8	2.2	2.1	12.2	15.3
Bulgaria	430	56.8	5.6	56.8	16.1	16.0	1.8	3.6	54.8	58.9
Chinese Taipei	574	46.9	3.6	46.9	20.0	28.9	0.5	0.2	35.6	57.5
Colombia	695	21.6	7.5	21.6	35.7	28.1	1.8	5.3	15.7	27.6
Cyprus	625	13.1	17.9	13.1	25.8	41.7	0.3	1.2	9.2	16.9
Czech Republic	689	58.7	2.1	58.7	10.9	27.6	0.4	0.3	56.9	60.3
Egypt	938	45.5	3.2	45.5	18.4	31.6	0.2	1.0	44.6	46.4
El Salvador	580	23.0	3.3	23.0	33.8	34.9	1.7	3.2	17.0	29.4
England	570	44.9	2.6	44.9	15.1	35.7	1.4	0.3	38.9	52.3
Georgia	599	32.8	7.7	32.8	42.5	14.1	0.4	2.5	36.7	28.8
Ghana	753	7.9	24.2	7.9	29.5	29.1	2.5	6.8	3.8	11.0
Hong Kong SAR	499	43.9	3.6	43.9	28.7	22.2	0.4	1.2	33.4	53.2
Hungary	596	32.8	3.4	32.8	25.8	36.5	0.9	0.5	27.9	38.1
Indonesia	599	32.8	8.5	32.8	24.6	30.7	1.1	2.3	29.0	36.2
Iran, Islamic Rep. of	570	56.9	5.9	56.9	17.8	18.0	0.8	0.7	57.3	56.5
Israel	453	31.5	6.5	31.5	22.9	34.6	1.5	3.0	26.8	37.0
Italy	557	54.0	4.1	54.0	15.5	24.2	0.4	1.9	53.6	54.4
Japan	621	35.5	6.6	35.5	23.1	32.7	1.0	1.1	27.4	43.5
Jordan	746	48.3	5.1	48.3	24.3	21.2	0.5	0.5	53.5	43.4
Korea, Rep. of	607	58.2	2.8	58.2	28.3	10.8	0.0	0.0	48.9	67.2
Kuwait	584	23.8	5.8	23.8	27.3	38.1	1.6	3.4	22.4	25.4
Lebanon	524	14.6	12.7	14.6	20.7	46.2	2.7	3.0	12.0	18.1
Lithuania	553	59.1	5.5	59.1	20.4	14.4	0.4	0.3	56.4	61.7
Malaysia	641	33.2	7.7	33.2	22.3	35.3	0.3	1.2	25.8	41.2
Malta	668	28.6	10.1	28.6	24.1	35.2	1.4	0.6	19.8	37.6
Morocco	442	18.9	9.2	18.9	43.4	25.7	1.5	1.4	17.3	20.6
Norway	646	53.5	3.0	53.5	9.1	32.3	0.9	1.2	49.4	57.8
Oman	676	41.3	9.5	41.3	18.2	29.4	0.3	1.3	44.0	38.4
Palestinian Nat'l Auth.	623	22.6	6.6	22.6	36.9	33.4	0.1	0.3	23.3	21.8
Qatar	1033	25.9	13.1	25.9	23.0	35.9	0.9	1.2	24.3	27.5
Romania	598	32.6	7.6	32.6	26.4	31.5	1.3	0.7	29.1	35.6
Russian Federation	640	57.1	3.3	57.1	22.7	14.7	0.6	1.5	50.0	64.2
Saudi Arabia	601	16.4	5.0	16.4	19.0	58.4	0.3	0.9	13.0	19.5
Scotland	582	38.5	7.8	38.5	24.4	28.4	0.5	0.5	30.6	47.3
Serbia	576	36.4	6.0	36.4	10.2	46.2	0.2	1.0	29.9	42.7
Singapore	651	50.5	4.9	50.5	12.4	32.0	0.0	0.2	44.3	56.4
Slovenia	565	66.2	1.7	66.2	6.6	24.6	0.8	0.1	57.7	73.5
Sweden	732	54.6	3.5	54.6	22.5	16.8	1.1	1.4	49.1	59.8
Syrian Arab Republic	678	58.4	4.2	58.4	18.5	16.9	1.2	0.7	56.6	60.5
Thailand	772	57.9	3.6	57.9	18.7	18.7	0.3	0.8	56.4	59.3
Tunisia	581	17.2	7.7	17.2	36.7	34.7	2.1	1.6	16.0	18.5
Turkey	640	26.9	7.2	26.9	33.8	30.9	0.7	0.5	25.7	27.9
Ukraine	620	37.6	8.1	37.6	19.9	33.1	0.7	0.6	30.3	44.9
United States	1063	60.9	4.5	60.9	10.0	23.4	0.4	0.8	52.8	70.1
International Avg.	638	38.8	6.9	38.8	22.4	29.3	1.0	1.6	35.2	42.4
Basque Country, Spain	333	60.8	2.0	60.8	16.6	19.9	0.6	0.0	57.9	63.1
British Columbia, Canada	610	53.7	6.8	53.7	12.4	24.5	1.1	1.5	48.8	59.1
Dubai, UAE	460	52.5	4.8	52.5	14.5	26.8	0.4	0.9	52.8	52.3
Massachusetts, US	274	72.9	4.2	72.9	6.6	14.8	1.0	0.4	66.0	79.9
Minnesota, US	249	58.5	2.7	58.5	11.1	27.2	0.5	0.0	50.5	67.2
Ontario, Canada	476	45.3	7.5	45.3	16.1	29.4	1.5	0.2	34.6	56.5
Quebec, Canada	587	37.4	1.2	37.4	19.9	40.0	0.4	1.0	33.0	41.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.