

Science: Life Science / Knowing
SP04_01 SP71013: Function of hedgehog spines and snail shell - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	64.3	12.1	61.4	10.3	11.7	3.8	0.7	62.2	66.6
Morocco	1963	65.8	9.6	62.3	9.5	13.3	3.7	1.6	64.8	66.8
South Africa (5)	2605	40.1	20.8	38.9	11.8	25.5	2.5	0.5	39.2	41.2
International Avg. (3)	5681	56.7	14.2	54.2	10.5	16.8	3.3	0.9	55.4	58.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
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Science: Life Science / Knowing

SP04_02 SP71902: Identify the animals with backbones (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	31.7	28.3	61.0	28.3	61.0	9.5	1.2	31.7	31.8
Morocco	1962	44.3	41.4	52.1	41.4	52.1	4.6	1.9	43.7	45.0
South Africa (5)	2616	32.0	26.8	56.9	26.8	56.9	15.5	0.8	29.3	34.8
International Avg. (3)	5691	36.0	32.2	56.7	32.2	56.7	9.9	1.3	34.9	37.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP04_02B SP71902B: Identify the animals with backbones: fish - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	61.4	52.3	32.8	13.6	1.2	64.1	59.0
Morocco	1962	77.5	70.4	20.4	7.3	1.9	79.7	75.2
South Africa (5)	2616	69.2	53.1	23.6	22.5	0.8	68.4	69.9
International Avg. (3)	5691	69.4	58.6	25.6	14.5	1.3	70.7	68.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Science: Life Science / Knowing

SP04_02C SP71902C: Identify the animals with backbones: crab - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	59.6	33.8	49.8	15.2	1.2	58.1	61.7
Morocco	1963	71.3	24.9	61.8	11.5	1.9	72.0	70.5
South Africa (5)	2616	56.3	32.7	42.2	24.4	0.8	50.9	61.9
International Avg. (3)	5692	62.4	30.4	51.2	17.0	1.3	60.3	64.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Science: Life Science / Knowing

SP04_02D SP71902D: Identify the animals with backbones: butterfly - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	80.4	16.2	66.4	16.2	1.2	80.7	80.2
Morocco	1963	77.1	20.0	67.0	11.1	1.9	75.0	79.2
South Africa (5)	2616	73.8	19.1	54.0	26.1	0.8	77.5	70.0
International Avg. (3)	5692	77.1	18.4	62.4	17.8	1.3	77.7	76.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Science: Life Science / Knowing

SP04_02E SP71902E: Identify the animals with backbones: bear - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	89.7	77.2	8.8	12.7	1.2	88.5	91.3
Morocco	1962	88.7	80.1	10.2	7.8	1.9	88.2	89.3
South Africa (5)	2616	82.2	63.1	13.6	22.5	0.8	84.2	80.0
International Avg. (3)	5691	86.9	73.5	10.9	14.3	1.3	87.0	86.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP04_03 SP71076: Predator with its prey - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	49.9	6.7	25.2	41.8	10.1	14.1	2.0	49.4	50.8
Morocco	1961	48.7	6.1	21.7	39.3	13.7	16.8	2.4	44.2	53.5
South Africa (5)	2565	33.8	15.5	23.2	29.5	18.9	11.4	1.5	31.9	35.7
International Avg. (3)	5639	44.1	9.4	23.4	36.9	14.2	14.1	2.0	41.8	46.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP04_04 SP71041: Dandelion reproduction strategies (DERIVED) - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	11 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	11.3	2.0	5.7	3.5	46.8	2.0	9.1	46.8	39.8	2.3	13.2	9.1
Morocco	1963	10.3	2.7	4.7	2.8	52.6	2.7	7.5	52.6	34.4	2.8	10.2	10.4
South Africa (5)	2616	6.9	2.4	7.2	1.0	83.7	2.4	8.1	83.7	4.1	1.6	8.0	5.9
International Avg. (3)	5692	9.5	2.4	5.8	2.4	61.0	2.4	8.3	61.0	26.1	2.2	10.4	8.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP04_04A SP71041A: Advantage of many seeds - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	13.9	5.6	2.0	47.5	7.7	47.5	42.5	2.3	14.5	13.3
Morocco	1963	12.0	7.4	0.0	54.4	7.4	54.4	35.5	2.8	12.1	11.8
South Africa (5)	2616	10.2	4.9	4.7	84.3	9.6	84.3	4.4	1.6	12.4	8.2
International Avg. (3)	5692	12.0	6.0	2.3	62.1	8.2	62.1	27.5	2.2	13.0	11.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP04_04B SP71041B: Advantage of light, fluffy seeds - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	11.7	5.5	41.1	5.5	41.1	51.1	2.3	15.3	7.1
Morocco	1963	11.3	5.5	43.1	5.5	43.1	48.6	2.8	10.7	12.1
South Africa (5)	2616	3.7	3.4	89.3	3.4	89.3	5.7	1.6	3.7	3.6
International Avg. (3)	5692	8.9	4.8	57.9	4.8	57.9	35.1	2.2	9.9	7.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP04_05 SP71046: Characteristics of the rabbit's mate (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	16.1	14.6	76.4	14.6	76.4	6.1	2.9	16.7	15.4
Morocco	1962	15.9	14.6	77.5	14.6	77.5	4.1	3.8	17.1	14.6
South Africa (5)	2616	9.7	8.6	79.7	8.6	79.7	9.4	2.3	10.2	9.3
International Avg. (3)	5691	13.9	12.6	77.9	12.6	77.9	6.5	3.0	14.7	13.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP04_05A SP71046A: Characteristics of the rabbit's mate - male - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	79.9	69.2	17.5	10.5	2.9	79.7	79.9
Morocco	1963	86.0	75.5	12.3	8.5	3.8	87.2	84.8
South Africa (5)	2616	69.3	57.0	25.3	15.3	2.3	67.2	71.4
International Avg. (3)	5692	78.4	67.2	18.3	11.4	3.0	78.0	78.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP04_05B SP71046B: Characteristics of the rabbit's mate - color - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	69.7	25.3	58.1	13.8	2.9	72.7	66.7
Morocco	1962	70.0	25.5	59.6	11.2	3.8	72.8	67.2
South Africa (5)	2616	58.7	33.3	47.4	17.0	2.3	58.3	59.2
International Avg. (3)	5691	66.2	28.0	55.0	14.0	3.0	67.9	64.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Science: Life Science / Applying

SP04_05C SP71046C: Characteristics of the rabbit's mate - adult - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	61.3	50.4	31.8	15.0	2.9	63.4	59.0
Morocco	1962	59.6	49.6	33.7	12.9	3.8	60.1	59.0
South Africa (5)	2616	61.2	48.6	30.8	18.3	2.3	61.2	61.2
International Avg. (3)	5691	60.7	49.5	32.1	15.4	3.0	61.6	59.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP04_05D SP71046D: Characteristics of the rabbit's mate - tall ears - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	46.0	44.3	37.8	15.1	2.9	44.7	47.5
Morocco	1962	46.3	44.8	38.6	12.8	3.8	46.5	46.1
South Africa (5)	2616	38.7	47.8	30.2	19.7	2.3	37.4	40.2
International Avg. (3)	5691	43.7	45.6	35.5	15.9	3.0	42.9	44.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP04_05E SP71046E: Characteristics of the rabbit's mate - age - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	73.8	21.4	60.5	15.2	2.9	76.0	71.3
Morocco	1962	75.4	20.8	63.6	11.9	3.8	77.2	73.5
South Africa (5)	2616	57.9	33.2	45.6	18.9	2.3	59.3	56.2
International Avg. (3)	5691	69.0	25.1	56.6	15.3	3.0	70.8	67.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP04_06 SP71095: Germs from George's cough - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	25.3	16.4	4.8	43.6	16.4	48.4	31.7	3.5	24.2	26.7
Morocco	1963	40.5	30.2	0.0	44.4	30.2	44.4	20.7	4.7	42.1	38.6
South Africa (5)	2615	21.9	20.3	2.8	69.7	20.3	72.5	3.7	3.5	25.6	18.4
International Avg. (3)	5691	29.2	22.3	2.5	52.6	22.3	55.1	18.7	3.9	30.6	27.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP04_07 SP71129: Identify circuit with a lit bulb - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	67.6	60.9	5.6	12.0	11.5	5.4	4.5	67.9	67.5
Morocco	1963	78.3	71.1	6.7	8.9	4.1	3.8	5.4	74.5	82.3
South Africa (5)	2594	46.7	42.3	9.7	30.4	8.2	5.9	3.3	45.2	48.2
International Avg. (3)	5670	64.2	58.1	7.3	17.1	8.0	5.1	4.4	62.5	66.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP04_08 SP71102: Movement of Train Car A - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	9.7	8.8	2.5	79.3	8.8	81.8	4.7	4.7	9.1	10.3
Morocco	1963	11.2	10.2	0.2	81.0	10.2	81.1	3.1	5.6	12.7	9.6
South Africa (5)	2615	6.2	5.7	0.4	86.4	5.7	86.8	3.2	4.3	6.3	6.2
International Avg. (3)	5691	9.0	8.2	1.0	82.2	8.2	83.2	3.7	4.9	9.4	8.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Reasoning

SP04_09 SP71124: Relationship between force and sound - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1113	31.6	26.3	27.5	19.2	14.2	7.0	5.8	32.2	30.7
Morocco	1963	30.5	23.1	25.8	20.1	15.5	9.1	6.3	29.4	31.7
South Africa (5)	2592	33.7	23.9	30.3	22.9	12.8	5.6	4.5	33.2	34.3
International Avg. (3)	5668	31.9	24.5	27.9	20.7	14.2	7.2	5.6	31.6	32.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP04_10 SP71112: Material of Jenny's spoon - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1110	59.8	15.5	8.7	11.8	53.6	3.8	6.6	62.3	57.1
Morocco	1963	62.8	11.4	11.0	10.5	55.5	4.5	7.1	62.5	63.0
South Africa (5)	2601	56.5	19.0	9.0	12.3	52.4	1.8	5.5	61.9	51.4
International Avg. (3)	5674	59.7	15.3	9.6	11.5	53.8	3.3	6.4	62.2	57.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Applying
SP04_11 SP71265: Season in City A - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1110	55.4	20.9	12.5	49.1	6.2	3.8	7.5	54.9	55.8
Morocco	1963	52.1	17.7	16.1	46.3	8.7	3.2	7.9	54.0	50.3
South Africa (5)	2598	53.3	16.1	19.9	49.4	7.2	1.4	6.1	54.9	52.0
International Avg. (3)	5671	53.6	18.2	16.2	48.3	7.3	2.8	7.2	54.6	52.7

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP04_12 SP71223: Resources for Harriet's garden - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1111	68.0	21.8	60.5	4.5	2.3	2.9	8.0	68.2	67.7
Morocco	1963	72.8	15.3	63.9	5.7	3.0	4.1	8.1	76.0	69.4
South Africa (5)	2595	61.1	24.1	56.2	8.0	3.7	1.8	6.2	65.3	57.0
International Avg. (3)	5669	67.3	20.4	60.2	6.0	3.0	2.9	7.4	69.8	64.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP08_02 SP71033: Seedling of a bean plant - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1100	42.7	25.9	10.0	18.7	40.7	2.9	1.8	42.3	43.3
Morocco	1914	52.6	24.4	11.3	10.4	51.1	2.3	0.6	48.6	56.8
South Africa (5)	2587	46.1	19.8	13.3	19.4	44.9	2.2	0.4	46.4	45.9
International Avg. (3)	5601	47.1	23.3	11.5	16.2	45.5	2.5	0.9	45.7	48.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP08_03 SP71065: Complete the food chain - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1100	49.1	44.2	45.8	44.2	45.8	7.8	2.2	46.8	51.5
Morocco	1950	54.5	49.4	41.2	49.4	41.2	8.8	0.6	50.0	59.1
South Africa (5)	2592	34.9	33.6	62.8	33.6	62.8	3.2	0.4	33.9	35.8
International Avg. (3)	5642	46.2	42.4	49.9	42.4	49.9	6.6	1.1	43.6	48.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP08_04 SP71025: What happened to strawberry plant between photos - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1100	47.1	44.2	15.3	22.7	11.7	3.9	2.2	49.7	44.5
Morocco	1912	36.7	35.7	13.4	29.8	18.4	2.0	0.7	37.1	36.2
South Africa (5)	2588	36.3	35.6	16.4	30.6	15.5	1.3	0.5	38.6	34.0
International Avg. (3)	5600	40.0	38.5	15.1	27.7	15.2	2.4	1.1	41.8	38.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP08_05 SP71081: Animal that competes with giraffe for food - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1104	20.5	39.8	18.4	19.2	16.3	3.8	2.5	18.8	22.2
Morocco	1903	18.4	50.1	15.0	17.5	12.3	4.3	0.8	16.8	20.1
South Africa (5)	2590	23.4	39.9	17.0	22.8	17.7	2.0	0.6	24.4	22.4
International Avg. (3)	5597	20.8	43.2	16.8	19.8	15.4	3.4	1.3	20.0	21.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP08_06 SP71056: Human body's reaction to cold temperatures - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	71 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1104	12.4	7.6	7.3	2.2	43.9	7.6	53.4	36.6	2.5	10.9	14.3
Morocco	1950	6.0	3.7	9.6	3.5	44.6	3.7	57.7	37.6	1.0	4.7	7.5
South Africa (5)	2592	9.1	8.4	3.2	3.4	77.9	8.4	84.5	6.4	0.6	11.0	7.1
International Avg. (3)	5646	9.2	6.6	6.7	3.0	55.5	6.6	65.2	26.9	1.4	8.9	9.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP08_07 SP71145: Ramp that makes it easiest to move heavy box - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1104	49.6	46.4	17.2	3.0	27.0	3.4	2.9	52.0	46.8
Morocco	1919	37.5	36.5	13.0	1.5	46.1	1.6	1.3	38.0	37.1
South Africa (5)	2590	36.2	35.1	18.5	5.1	38.1	2.5	0.7	38.9	33.8
International Avg. (3)	5613	41.1	39.3	16.3	3.2	37.1	2.5	1.6	43.0	39.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Reasoning

SP08_08 SP71104: Magnets in plastic and iron cups - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1104	58.2	46.6	33.5	46.6	33.5	16.8	3.1	60.8	55.1
Morocco	1950	57.2	49.4	36.9	49.4	36.9	12.4	1.3	58.3	56.1
South Africa (5)	2593	27.9	26.5	68.4	26.5	68.4	4.4	0.8	30.7	25.2
International Avg. (3)	5647	47.8	40.8	46.3	40.8	46.3	11.2	1.7	49.9	45.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP08_09 SP71144: How using a pulley helps lift a box - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1104	35.3	22.1	16.7	20.2	32.2	5.1	3.7	33.1	37.5
Morocco	1914	39.6	20.1	15.1	22.5	37.8	2.2	2.2	39.5	39.6
South Africa (5)	2585	37.3	25.6	17.2	18.2	36.2	1.9	1.0	42.4	32.2
International Avg. (3)	5603	37.4	22.6	16.3	20.3	35.4	3.1	2.3	38.3	36.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP08_10 SP71150: Force acting on skydiver and dropped book - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1104	68.0	40.4	19.0	40.4	19.0	36.5	4.1	70.0	65.5
Morocco	1950	65.1	47.0	25.2	47.0	25.2	25.1	2.7	64.6	65.7
South Africa (5)	2593	13.6	12.5	79.5	12.5	79.5	6.7	1.3	13.0	14.4
International Avg. (3)	5647	48.9	33.3	41.2	33.3	41.2	22.7	2.7	49.2	48.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP08_11 SP71201: What covers Earth's surface - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1104	47.7	21.4	43.8	9.4	17.2	3.9	4.3	44.3	51.5
Morocco	1911	40.2	17.7	38.0	21.7	17.1	2.7	2.8	34.7	45.9
South Africa (5)	2581	38.4	36.3	37.1	15.1	8.2	2.2	1.2	39.1	37.8
International Avg. (3)	5596	42.1	25.1	39.6	15.4	14.2	2.9	2.8	39.4	45.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Applying

SP08_12 SP71237: Identify the desert - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1103	17.1	15.5	75.4	15.5	75.4	4.7	4.4	17.9	16.3
Morocco	1949	23.5	21.9	71.6	21.9	71.6	3.0	3.4	27.4	19.5
South Africa (5)	2592	16.8	16.1	80.0	16.1	80.0	2.3	1.6	18.1	15.6
International Avg. (3)	5644	19.1	17.9	75.7	17.9	75.7	3.4	3.1	21.2	17.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Reasoning

SP08_13 SP71260: Tree's shadow at 2:00 p.m. - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1103	20.5	23.1	24.2	19.0	26.4	1.9	5.4	23.1	17.9
Morocco	1905	19.4	27.1	18.1	18.4	31.2	1.6	3.7	15.5	23.4
South Africa (5)	2583	23.8	26.5	16.8	22.9	29.8	2.2	1.8	23.1	24.4
International Avg. (3)	5591	21.2	25.6	19.7	20.1	29.1	1.9	3.6	20.6	21.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP09_01 SP61135: Milk important for balanced diet - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	49.2	13.4	21.0	45.4	12.4	7.2	0.6	49.0	49.5
Morocco	1895	47.1	8.4	24.7	45.1	17.7	4.0	0.1	45.7	48.3
South Africa (5)	2567	43.7	9.5	25.8	42.4	19.3	2.9	0.2	46.5	41.0
International Avg. (3)	5561	46.7	10.4	23.8	44.3	16.5	4.7	0.3	47.1	46.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP09_02 SP61069: Plants make their own food - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	57.7	46.5	15.7	18.3	46.5	34.0	18.5	1.0	56.2	59.3
Morocco	1954	51.5	42.8	20.9	19.4	42.8	40.4	15.8	1.0	52.4	50.6
South Africa (5)	2572	33.8	32.8	17.6	46.6	32.8	64.2	2.8	0.2	37.0	30.6
International Avg. (3)	5625	47.7	40.7	18.1	28.1	40.7	46.2	12.4	0.8	48.5	46.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP09_03 SP61134: Lions panting on hot days - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	29.0	18.0	18.7	26.2	25.7	10.2	1.1	27.6	30.4
Morocco	1875	26.3	15.4	21.0	33.9	25.1	4.3	0.3	28.0	24.8
South Africa (5)	2565	33.5	17.0	23.6	23.3	32.2	3.7	0.2	37.1	29.7
International Avg. (3)	5539	29.6	16.8	21.1	27.8	27.7	6.1	0.5	30.9	28.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP09_04 SP61140: Grasshopper and butterfly cycles - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	41.2	21.3	37.1	18.1	13.4	8.6	1.4	40.9	41.7
Morocco	1880	40.4	16.0	38.6	26.0	14.9	4.1	0.3	41.0	39.9
South Africa (5)	2569	39.3	21.1	37.9	21.5	15.9	3.0	0.5	38.8	39.7
International Avg. (3)	5548	40.3	19.5	37.9	21.9	14.8	5.2	0.8	40.2	40.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP09_05 SP61019: Hawks and mice in a field - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	10.9	10.1	82.8	10.1	82.8	5.0	2.1	11.0	10.7
Morocco	1954	15.2	14.3	80.2	14.3	80.2	3.6	1.9	16.7	13.9
South Africa (5)	2571	10.8	10.4	86.1	10.4	86.1	2.8	0.6	12.1	9.6
International Avg. (3)	5624	12.3	11.6	83.0	11.6	83.0	3.8	1.5	13.2	11.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP09_06 SP61022: Laura has the flu - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	42.2	38.1	16.0	14.1	22.1	7.5	2.2	40.1	44.1
Morocco	1851	51.2	48.6	15.5	10.7	20.0	4.7	0.5	54.8	48.1
South Africa (5)	2569	33.4	32.1	24.1	16.9	23.0	3.2	0.6	34.3	32.5
International Avg. (3)	5519	42.3	39.6	18.5	13.9	21.7	5.1	1.1	43.1	41.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Reasoning

SP09_07 SP61036: Melting butter at end of spoon - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	6.8	6.4	87.3	6.4	87.3	3.8	2.5	7.4	6.3
Morocco	1955	23.5	22.0	71.6	22.0	71.6	3.5	2.9	24.6	22.6
South Africa (5)	2573	15.1	14.5	81.7	14.5	81.7	3.0	0.7	17.2	12.9
International Avg. (3)	5627	15.1	14.3	80.2	14.3	80.2	3.5	2.0	16.4	13.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP09_08 SP61160: State of matter of items - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	41.0	36.2	4.8	47.3	36.2	52.2	9.0	2.7	40.9	41.0
Morocco	1955	56.0	49.8	4.5	34.5	49.8	39.0	7.2	4.0	58.2	54.2
South Africa (5)	2574	32.8	31.0	3.4	60.1	31.0	63.5	4.2	1.3	38.1	27.5
International Avg. (3)	5628	43.3	39.0	4.3	47.3	39.0	51.6	6.8	2.6	45.7	40.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP09_09 SP61159: Which wagon requires more force - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	24.5	22.6	69.7	22.6	69.7	3.9	3.9	25.1	23.9
Morocco	1955	36.1	33.3	58.9	33.3	58.9	2.4	5.3	39.1	33.6
South Africa (5)	2572	25.7	24.1	69.7	24.1	69.7	4.4	1.8	28.4	22.9
International Avg. (3)	5626	28.8	26.6	66.1	26.6	66.1	3.6	3.7	30.9	26.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP09_10 SP61091: Energy in a closed circuit - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	35.6	16.2	17.3	36.2	16.2	17.3	36.2	25.7	4.6	37.8	33.6
Morocco	1955	18.9	6.2	15.4	52.1	6.2	15.4	52.1	20.1	6.2	19.5	18.4
South Africa (5)	2570	20.1	11.0	15.2	66.2	11.0	15.2	66.2	5.1	2.5	22.7	17.6
International Avg. (3)	5624	24.9	11.1	15.9	51.5	11.1	15.9	51.5	17.0	4.5	26.6	23.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP09_11 SP61118: Sun, Earth, Moon in space - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	35.9	25.5	30.4	12.4	16.3	9.3	6.2	34.9	36.8
Morocco	1756	41.8	19.1	39.1	16.7	18.6	5.5	1.0	41.2	42.3
South Africa (5)	2547	35.3	24.6	31.7	14.7	18.8	7.3	2.9	33.9	36.6
International Avg. (3)	5402	37.7	23.0	33.7	14.6	17.9	7.4	3.4	36.7	38.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Reasoning

SP09_12 SP61097: Natural desert rock formation - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1099	34.5	23.0	30.9	20.9	14.7	4.1	6.4	34.4	34.6
Morocco	1759	36.2	25.4	34.8	24.3	11.7	2.4	1.3	37.3	35.2
South Africa (5)	2557	37.5	27.3	34.9	17.6	13.3	2.9	3.9	38.8	36.3
International Avg. (3)	5415	36.1	25.3	33.6	20.9	13.2	3.2	3.9	36.8	35.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP10_01 SP71009: Bird, insect, mammal, or reptile (DERIVED) - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1109	45.8	16.5	52.1	24.3	16.5	52.1	24.3	6.5	0.6	46.2	45.4
Morocco	1961	33.5	3.1	57.4	34.4	3.1	57.4	34.4	4.4	0.8	33.9	33.2
South Africa (5)	2608	26.6	8.0	28.0	46.4	8.0	28.0	46.4	17.5	0.2	29.8	23.6
International Avg. (3)	5678	35.3	9.2	45.8	35.0	9.2	45.8	35.0	9.5	0.5	36.6	34.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP10_01A SP71009A: Bird, insect, mammal, or reptile - snake - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1109	78.6	2.7	8.9	7.7	70.9	9.2	0.6	81.2	76.1
Morocco	1961	84.1	1.9	4.9	7.5	75.5	9.5	0.8	83.8	84.4
South Africa (5)	2608	48.4	8.1	12.5	17.6	35.8	25.8	0.2	52.1	44.7
International Avg. (3)	5678	70.4	4.2	8.8	10.9	60.8	14.8	0.5	72.4	68.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP10_01B SP71009B: Bird, insect, mammal, or reptile - bat - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1109	28.1	58.3	3.9	25.3	2.6	9.3	0.6	27.7	28.4
Morocco	1961	9.7	77.2	2.4	8.7	1.2	9.8	0.8	9.4	10.0
South Africa (5)	2608	25.5	39.4	8.8	19.0	7.2	25.4	0.2	27.2	23.8
International Avg. (3)	5678	21.1	58.3	5.1	17.7	3.7	14.8	0.5	21.4	20.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP10_01C SP71009C: Bird, insect, mammal, or reptile - mosquito - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1109	85.5	5.1	77.2	5.1	2.9	9.2	0.6	86.1	84.9
Morocco	1961	87.8	5.3	78.5	3.5	2.0	9.9	0.8	87.9	87.8
South Africa (5)	2608	69.9	6.6	51.5	8.1	7.5	26.2	0.2	75.3	64.0
International Avg. (3)	5678	81.1	5.7	69.0	5.6	4.1	15.1	0.5	83.1	78.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing
SP10_01D SP71009D: Bird, insect, mammal, or reptile - eagle - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1109	90.3	81.2	2.1	4.2	2.5	9.4	0.6	91.7	88.8
Morocco	1961	94.9	85.9	1.4	1.6	1.5	8.8	0.8	95.1	94.8
South Africa (5)	2608	78.8	58.8	4.8	6.1	5.0	25.2	0.2	81.8	75.6
International Avg. (3)	5678	88.0	75.3	2.7	4.0	3.0	14.5	0.5	89.5	86.4

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP10_01E SP71009E: Bird, insect, mammal, or reptile - crocodile - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1109	69.0	2.8	3.3	21.5	61.4	10.5	0.6	70.7	67.3
Morocco	1961	60.7	1.6	3.3	30.1	54.1	10.0	0.8	61.0	60.5
South Africa (5)	2608	53.8	6.8	7.1	19.6	39.0	27.3	0.2	56.3	51.5
International Avg. (3)	5678	61.2	3.7	4.6	23.7	51.5	15.9	0.5	62.7	59.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP10_01F SP71009F: Bird, insect, mammal, or reptile - whale - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1109	76.2	3.8	4.2	68.1	13.2	10.0	0.6	74.5	78.1
Morocco	1961	58.6	1.5	2.3	51.8	32.9	10.8	0.8	57.7	59.3
South Africa (5)	2608	56.2	5.5	8.8	41.3	17.9	26.4	0.2	60.5	51.9
International Avg. (3)	5678	63.7	3.6	5.1	53.7	21.3	15.7	0.5	64.2	63.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP10_02 SP71093: Why Amy should wash hands - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	71 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1109	43.8	35.0	1.3	3.3	40.3	35.0	44.8	19.0	1.1	46.1	41.1
Morocco	1961	46.7	39.0	1.8	6.8	35.9	39.0	44.5	15.4	1.1	51.1	42.9
South Africa (5)	2601	34.9	26.6	0.4	1.8	47.5	26.6	49.8	23.2	0.4	40.4	28.2
International Avg. (3)	5671	41.8	33.6	1.2	4.0	41.2	33.6	46.4	19.2	0.9	45.9	37.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP10_03 SP71069: How an owl gets energy from the Sun - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1109	50.0	16.3	46.4	20.9	9.2	5.9	1.3	48.8	51.3
Morocco	1961	44.7	8.4	40.6	24.3	17.5	7.8	1.3	44.1	45.2
South Africa (5)	2589	41.4	9.3	38.0	30.9	13.6	7.7	0.5	40.7	42.3
International Avg. (3)	5659	45.4	11.3	41.7	25.4	13.4	7.1	1.0	44.6	46.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP10_04 SP71051: Why lemurs sit with arms outstretched - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1108	12.6	8.7	60.1	8.7	60.1	29.4	1.9	13.9	11.1
Morocco	1961	9.6	7.1	67.4	7.1	67.4	24.0	1.4	10.4	8.9
South Africa (5)	2599	8.2	7.9	88.1	7.9	88.1	3.4	0.6	11.6	4.8
International Avg. (3)	5668	10.1	7.9	71.9	7.9	71.9	18.9	1.3	12.0	8.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP10_05 SP71039: Type of tree seedling - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1108	35.2	18.8	23.1	19.0	33.1	3.7	2.3	37.3	33.0
Morocco	1961	42.6	9.2	24.6	19.6	39.7	4.8	2.0	47.9	38.2
South Africa (5)	2598	27.3	18.1	27.5	25.1	26.5	2.0	0.8	32.0	22.6
International Avg. (3)	5667	35.0	15.4	25.1	21.2	33.1	3.5	1.7	39.1	31.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP10_06 SP71080: Ecosystem where living things are found - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1105	22.6	10.5	48.0	14.5	21.3	3.3	2.4	22.9	22.3
Morocco	1961	34.4	9.4	29.1	23.6	32.6	3.1	2.3	37.1	32.1
South Africa (5)	2595	54.3	12.3	16.0	16.3	52.9	1.3	1.2	57.0	51.9
International Avg. (3)	5661	37.1	10.7	31.0	18.1	35.6	2.6	2.0	39.0	35.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP10_07 SP71137: Why a flashlight needs batteries to light - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1104	37.7	27.7	45.7	27.7	45.7	23.7	2.9	33.4	42.6
Morocco	1961	17.6	13.2	62.0	13.2	62.0	22.3	2.5	15.5	19.4
South Africa (5)	2597	23.0	22.2	74.2	22.2	74.2	2.3	1.4	24.9	21.3
International Avg. (3)	5662	26.1	21.0	60.6	21.0	60.6	16.1	2.3	24.6	27.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP10_08 SP71103: Set of carts that will move apart - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1103	40.6	20.8	37.7	22.3	12.2	3.6	3.5	37.5	43.8
Morocco	1961	47.2	18.5	42.6	19.0	10.2	6.5	3.2	48.8	45.8
South Africa (5)	2595	32.9	18.9	31.5	26.7	18.6	2.6	1.6	32.6	33.5
International Avg. (3)	5659	40.2	19.4	37.3	22.7	13.7	4.2	2.7	39.6	41.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Reasoning

SP10_09 SP71106: Conclusions supported by Adam's results (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1103	24.4	19.4	60.4	19.4	60.4	16.7	3.5	24.1	24.6
Morocco	1961	26.6	23.1	63.8	23.1	63.8	9.3	3.7	28.8	24.7
South Africa (5)	2608	23.5	19.0	61.6	19.0	61.6	17.5	1.9	23.8	23.4
International Avg. (3)	5672	24.8	20.5	61.9	20.5	61.9	14.5	3.0	25.6	24.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Reasoning

SP10_09A SP71106A: Conclusions - lemon juice and baking soda - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1103	75.0	56.4	18.8	21.3	3.5	72.4	77.8
Morocco	1961	68.5	54.8	25.1	16.4	3.7	69.5	67.6
South Africa (5)	2608	71.7	51.5	20.3	26.3	1.9	73.2	70.4
International Avg. (3)	5672	71.7	54.2	21.4	21.3	3.0	71.7	71.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Reasoning

SP10_09B SP71106B: Conclusions - vinegar with a solid - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1103	65.4	24.5	46.5	25.5	3.5	65.6	65.4
Morocco	1961	67.0	26.1	53.0	17.2	3.7	68.3	65.8
South Africa (5)	2608	59.2	28.1	40.7	29.3	1.9	57.0	62.0
International Avg. (3)	5672	63.9	26.2	46.7	24.0	3.0	63.7	64.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Reasoning

SP10_09C SP71106C: Conclusions - lemon juice and salt - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1103	61.5	26.9	43.1	26.4	3.5	62.4	60.6
Morocco	1961	65.8	26.5	51.0	18.8	3.7	69.2	62.8
South Africa (5)	2608	63.8	24.3	42.9	30.8	1.9	67.7	59.6
International Avg. (3)	5672	63.7	25.9	45.7	25.3	3.0	66.4	61.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Reasoning

SP10_09D SP71106D: Conclusions - vinegar and chalk vs baking soda - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1103	67.3	48.8	23.7	24.0	3.5	67.1	67.4
Morocco	1961	64.4	50.5	27.9	17.9	3.7	64.9	64.0
South Africa (5)	2608	66.7	45.2	22.6	30.3	1.9	67.5	65.6
International Avg. (3)	5672	66.1	48.2	24.7	24.1	3.0	66.5	65.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP10_10 SP71100: Completing Julie's circuit - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1108	48.7	44.7	27.7	7.9	11.6	3.1	5.0	50.9	46.3
Morocco	1961	62.4	56.5	16.0	9.5	8.6	4.3	5.1	63.0	61.9
South Africa (5)	2591	38.5	36.6	27.6	14.3	16.6	2.4	2.5	39.1	37.9
International Avg. (3)	5660	49.8	45.9	23.8	10.6	12.3	3.3	4.2	51.0	48.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Applying

SP10_12 SP71220: Tropical plant fossil in cold environment - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1108	35.8	31.8	19.8	14.2	23.2	4.8	6.2	36.6	34.9
Morocco	1961	31.2	27.8	21.7	14.2	25.3	4.9	6.1	30.5	31.8
South Africa (5)	2593	30.6	29.2	22.4	21.6	22.2	1.5	3.2	33.3	27.9
International Avg. (3)	5662	32.5	29.6	21.3	16.7	23.6	3.7	5.2	33.4	31.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP10_13 SP71254: Shapes the Moon can have - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1108	19.9	14.3	57.4	14.3	57.4	21.0	7.4	20.0	19.8
Morocco	1961	21.5	16.4	59.6	16.4	59.6	16.9	7.1	20.7	22.3
South Africa (5)	2596	22.5	15.7	54.1	15.7	54.1	26.3	3.9	24.5	20.6
International Avg. (3)	5665	21.3	15.5	57.0	15.5	57.0	21.4	6.1	21.7	20.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP11_01 SP61132: Hot and wet weather - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	36.1	33.8	14.0	8.6	37.1	5.0	1.5	34.6	37.7
Morocco	1962	17.3	16.5	15.2	12.5	51.2	3.4	1.2	16.6	17.8
South Africa (5)	2594	28.6	27.9	24.2	15.6	29.7	1.6	1.0	29.8	27.5
International Avg. (3)	5679	27.3	26.0	17.8	12.2	39.3	3.4	1.2	27.0	27.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP11_02 SP61120: Season south of Equator - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	43.4	18.2	21.1	12.8	39.9	6.1	1.9	43.8	43.0
Morocco	1962	32.6	16.1	27.0	19.8	30.4	5.2	1.5	32.0	33.2
South Africa (5)	2593	29.8	24.2	29.0	14.8	28.8	1.9	1.3	31.9	27.2
International Avg. (3)	5678	35.3	19.5	25.7	15.8	33.0	4.4	1.6	35.9	34.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP11_03 SP61025: Life cycle of flowering plant - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	35.0	29.5	54.8	29.5	54.8	13.5	2.2	40.2	29.3
Morocco	1962	55.2	43.4	35.3	43.4	35.3	19.5	1.9	55.0	55.3
South Africa (5)	2598	29.3	28.1	67.8	28.1	67.8	2.6	1.4	33.5	25.3
International Avg. (3)	5683	39.8	33.7	52.6	33.7	52.6	11.9	1.8	42.9	36.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP11_04A SP61133A: Water and plant height conclusion - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	43.3	17.4	20.9	39.6	13.4	5.7	2.9	46.4	40.2
Morocco	1962	45.8	14.8	15.2	42.8	20.6	4.0	2.5	45.1	46.5
South Africa (5)	2594	39.2	11.9	15.6	37.7	31.0	2.2	1.6	40.5	38.2
International Avg. (3)	5679	42.8	14.7	17.3	40.0	21.7	4.0	2.3	44.0	41.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP11_04B SP61133B: Water and plant height statement - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	20.0	19.7	34.0	18.3	18.0	6.3	3.7	20.6	19.5
Morocco	1962	20.6	16.0	29.1	26.2	18.5	7.2	3.0	20.2	21.0
South Africa (5)	2588	16.3	25.1	31.3	22.9	15.4	2.8	2.5	17.2	15.0
International Avg. (3)	5673	19.0	20.2	31.5	22.5	17.3	5.4	3.1	19.3	18.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP11_05 SP61074: Factory near farm fields - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	51.2	31.1	29.7	31.1	29.7	35.1	4.0	52.1	50.1
Morocco	1962	27.8	17.7	46.0	17.7	46.0	32.7	3.7	27.0	28.5
South Africa (5)	2600	17.0	15.7	76.5	15.7	76.5	4.4	3.4	20.5	13.8
International Avg. (3)	5685	32.0	21.5	50.7	21.5	50.7	24.1	3.7	33.2	30.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP11_06 SP61093: Polar bear fur for survival - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	27.7	6.6	28.8	40.3	6.6	28.8	40.3	19.5	4.8	28.5	26.9
Morocco	1962	23.2	4.5	27.4	46.5	4.5	27.4	46.5	16.9	4.6	23.5	23.0
South Africa (5)	2600	12.9	3.8	16.2	72.2	3.8	16.2	72.2	4.0	3.8	14.5	11.4
International Avg. (3)	5685	21.3	5.0	24.1	53.0	5.0	24.1	53.0	13.5	4.4	22.2	20.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP11_07 SP61161: Pots are made of metal - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	25.2	14.7	43.6	14.7	43.6	36.6	5.1	28.2	21.9
Morocco	1962	24.9	14.9	44.9	14.9	44.9	35.3	4.9	28.6	21.5
South Africa (5)	2597	12.9	11.8	79.5	11.8	79.5	4.0	4.8	15.1	10.9
International Avg. (3)	5682	21.0	13.8	56.0	13.8	56.0	25.3	4.9	24.0	18.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Reasoning

SP11_08A SP61042A: Separate iron from sand and salt - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	29.5	35.2	26.5	22.4	5.6	4.0	6.2	30.1	29.0
Morocco	1962	28.4	30.2	24.9	23.8	8.8	6.8	5.5	29.5	27.4
South Africa (5)	2603	27.5	32.2	24.5	22.6	10.0	5.6	5.0	27.2	28.1
International Avg. (3)	5688	28.4	32.6	25.3	23.0	8.1	5.5	5.6	28.9	28.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Reasoning

SP11_08B SP61042B: Separate sand from mixture - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	30.7	25.1	21.5	13.0	22.0	11.8	6.5	28.6	32.9
Morocco	1962	30.1	25.2	19.8	18.9	19.9	10.5	5.7	31.7	28.6
South Africa (5)	2603	22.2	19.4	27.1	18.2	22.4	7.1	5.8	23.2	21.4
International Avg. (3)	5688	27.7	23.2	22.8	16.7	21.4	9.8	6.0	27.8	27.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP11_09A SP61041A: Boiling water disappears - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	37.4	24.7	41.4	24.7	41.4	26.3	7.6	37.6	37.1
Morocco	1962	38.1	28.0	45.6	28.0	45.6	20.0	6.4	41.7	34.7
South Africa (5)	2599	9.4	8.5	81.8	8.5	81.8	3.6	6.1	11.0	7.9
International Avg. (3)	5684	28.3	20.4	56.3	20.4	56.3	16.6	6.7	30.1	26.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP11_09B SP61041B: Steam on window - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	30.3	17.6	40.5	17.6	40.5	33.1	8.8	31.3	29.3
Morocco	1962	36.6	23.6	40.8	23.6	40.8	28.3	7.4	41.0	32.5
South Africa (5)	2599	11.6	10.2	78.3	10.2	78.3	4.3	7.1	15.0	8.3
International Avg. (3)	5684	26.2	17.1	53.2	17.1	53.2	21.9	7.8	29.1	23.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP11_10 SP61155: Bulb in circuit will not light - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1123	51.9	45.2	23.0	9.8	9.1	3.7	9.3	52.1	51.7
Morocco	1962	52.3	46.8	18.3	12.8	11.5	2.0	8.5	52.2	52.4
South Africa (5)	2579	46.7	42.7	17.9	20.4	10.4	1.9	6.7	51.1	42.7
International Avg. (3)	5664	50.3	44.9	19.7	14.3	10.3	2.5	8.2	51.8	48.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP12_01 SP71031: Order life stages of a butterfly - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	23.3	22.3	0.6	73.0	22.3	73.5	3.1	1.1	21.1	25.6
Morocco	1971	17.5	16.8	1.3	77.7	16.8	79.0	3.8	0.4	14.6	20.4
South Africa (5)	2596	18.6	18.0	4.2	74.9	18.0	79.1	2.5	0.4	18.2	19.0
International Avg. (3)	5688	19.8	19.1	2.0	75.2	19.1	77.2	3.1	0.6	18.0	21.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP12_02 SP71090: Ice cream with fewer germs - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	20.0	19.2	76.8	19.2	76.8	2.8	1.2	22.3	17.6
Morocco	1971	12.9	12.6	84.9	12.6	84.9	2.0	0.5	16.1	9.9
South Africa (5)	2594	16.8	16.2	80.5	16.2	80.5	2.8	0.5	19.8	13.9
International Avg. (3)	5686	16.6	16.0	80.7	16.0	80.7	2.5	0.7	19.4	13.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP12_03 SP71048: Why insects lay many eggs - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1120	28.8	21.5	25.6	19.7	22.2	9.6	1.4	25.8	31.8
Morocco	1971	40.2	10.7	37.1	21.9	22.5	7.3	0.5	41.6	38.9
South Africa (5)	2577	29.2	23.9	27.1	19.1	22.6	6.8	0.6	27.4	31.1
International Avg. (3)	5668	32.7	18.7	29.9	20.2	22.4	7.9	0.8	31.6	33.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP12_04 SP71071: Mice increase after trees are cut down - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1120	17.1	10.7	52.0	10.7	52.0	35.1	2.1	16.1	18.1
Morocco	1971	25.7	16.9	48.9	16.9	48.9	33.2	1.0	26.4	25.0
South Africa (5)	2596	7.1	6.8	88.5	6.8	88.5	3.9	0.8	7.9	6.4
International Avg. (3)	5687	16.6	11.5	63.1	11.5	63.1	24.1	1.3	16.8	16.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP12_05 SP71011: Sarah's groups of animals - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1120	49.5	16.2	22.2	42.9	5.3	10.8	2.6	50.4	48.6
Morocco	1970	54.8	11.9	19.7	48.1	8.2	10.8	1.5	56.5	53.0
South Africa (5)	2572	43.4	12.0	31.4	39.6	8.3	7.7	1.0	45.7	41.0
International Avg. (3)	5662	49.2	13.4	24.4	43.5	7.3	9.7	1.7	50.9	47.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP12_06 SP71142: Why open toy parachute falls more slowly - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	31.4	44.4	11.6	7.7	29.1	4.3	3.0	28.3	34.5
Morocco	1970	44.2	33.0	9.7	9.7	41.4	4.0	2.4	43.8	44.5
South Africa (5)	2588	45.7	19.7	11.7	21.3	44.4	1.6	1.3	49.5	41.9
International Avg. (3)	5679	40.4	32.3	11.0	12.9	38.3	3.3	2.2	40.5	40.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP12_07 SP71138: Temperature of table under hot cup of tea - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1118	65.2	42.4	0.1	22.5	42.4	22.6	31.6	3.4	66.5	64.0
Morocco	1971	58.4	43.3	2.4	28.6	43.3	30.9	22.7	3.0	60.7	55.8
South Africa (5)	2597	32.7	31.0	0.2	63.6	31.0	63.8	3.2	1.9	35.5	30.2
International Avg. (3)	5686	52.1	38.9	0.9	38.2	38.9	39.1	19.2	2.8	54.2	50.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP12_08 SP71127: Energy change in a circuit - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1118	49.7	8.5	31.9	45.7	5.8	4.2	3.9	51.1	48.4
Morocco	1971	54.8	5.5	31.0	51.2	5.8	3.3	3.3	57.6	52.0
South Africa (5)	2584	52.1	10.6	28.9	50.0	6.7	1.9	2.0	54.9	49.6
International Avg. (3)	5673	52.2	8.2	30.6	49.0	6.1	3.1	3.1	54.6	50.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP12_10 SP71500: Magnets that Anne has - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1118	29.9	13.8	20.4	28.1	26.6	6.7	4.5	28.8	31.0
Morocco	1966	30.7	11.9	20.4	31.2	28.2	4.2	4.2	32.8	28.7
South Africa (5)	2586	26.4	18.2	22.8	29.2	25.2	2.4	2.3	27.2	25.8
International Avg. (3)	5670	29.0	14.6	21.2	29.5	26.6	4.4	3.7	29.6	28.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Reasoning

SP12_11 SP71257: When the man has a shorter shadow - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1118	45.6	19.9	41.8	15.1	14.9	3.4	4.8	44.6	46.5
Morocco	1971	54.5	15.2	50.0	13.5	13.1	3.2	5.0	54.3	54.7
South Africa (5)	2586	41.4	20.2	39.8	17.7	18.5	1.3	2.6	41.6	41.0
International Avg. (3)	5675	47.2	18.4	43.9	15.4	15.5	2.7	4.2	46.8	47.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Applying

SP12_12 SP71222: Fish fossil in the desert - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1118	40.9	26.4	38.1	26.4	38.1	29.8	5.7	40.0	41.9
Morocco	1971	35.4	24.4	44.7	24.4	44.7	24.7	6.2	35.0	35.6
South Africa (5)	2597	12.5	11.6	81.3	11.6	81.3	3.9	3.2	12.8	12.2
International Avg. (3)	5686	29.6	20.8	54.7	20.8	54.7	19.5	5.1	29.3	29.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing
SP12_13 SP71252: Diagram representing the Solar System - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	58.1	50.5	20.9	10.5	4.9	5.3	7.8	56.8	59.3
Morocco	1971	44.4	37.7	20.4	20.6	6.2	6.1	9.0	43.9	44.9
South Africa (5)	2572	38.1	34.8	28.3	19.4	8.8	5.1	3.5	40.4	36.2
International Avg. (3)	5664	46.9	41.0	23.2	16.8	6.6	5.5	6.8	47.0	46.8

Science: Life Science / Applying

SP13_02 SP61014: Jack on a bus with sick man (EXCLUDED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	45.9	34.3	17.6	22.8	34.3	40.4	23.9	1.4	49.3	42.0
Morocco	1957	51.1	40.9	20.2	18.9	40.9	39.2	17.3	2.7	54.7	47.5
South Africa (5)	2613	24.5	23.5	14.9	57.5	23.5	72.5	3.3	0.7	28.8	20.4
International Avg. (3)	5691	40.5	32.9	17.6	33.1	32.9	50.7	14.8	1.6	44.3	36.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP13_03 SP61056: Mary's and Jenny's flowers - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	31.9	30.8	65.8	30.8	65.8	1.7	1.6	37.8	25.8
Morocco	1957	42.4	40.7	55.2	40.7	55.2	1.2	3.0	48.4	37.1
South Africa (5)	2613	32.2	31.1	65.5	31.1	65.5	2.3	1.2	36.9	27.6
International Avg. (3)	5691	35.5	34.2	62.2	34.2	62.2	1.7	1.9	41.0	30.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP13_04 SP61015: Best environment for shark - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1120	31.3	30.0	65.6	30.0	65.6	2.8	1.6	35.5	27.0
Morocco	1957	36.5	34.6	60.1	34.6	60.1	1.8	3.5	38.9	34.4
South Africa (5)	2611	32.2	30.8	64.9	30.8	64.9	2.6	1.8	34.7	29.8
International Avg. (3)	5688	33.3	31.8	63.5	31.8	63.5	2.4	2.3	36.4	30.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP13_05 SP61113: Boiling water before drinking - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1120	30.7	18.7	42.2	18.7	42.2	36.3	2.7	31.0	30.1
Morocco	1955	30.4	20.8	47.6	20.8	47.6	27.3	4.2	31.2	29.6
South Africa (5)	2609	18.8	17.5	75.4	17.5	75.4	4.5	2.5	20.1	17.6
International Avg. (3)	5684	26.6	19.0	55.1	19.0	55.1	22.7	3.2	27.4	25.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP13_06 SP61107: Property of a liquid - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1120	31.9	17.7	20.5	22.6	28.5	6.8	3.8	32.5	31.1
Morocco	1955	35.8	9.4	18.2	29.3	31.7	6.1	5.4	36.6	35.0
South Africa (5)	2597	27.7	17.3	19.3	30.6	25.7	4.2	3.0	29.9	25.6
International Avg. (3)	5672	31.8	14.8	19.3	27.5	28.6	5.7	4.1	33.0	30.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Reasoning

SP13_07 SP61046: Mary dissolving sugar - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	26.3	23.8	19.6	22.7	20.2	9.5	4.2	25.6	26.8
Morocco	1957	38.5	11.6	21.5	32.5	18.8	9.8	5.7	37.5	39.4
South Africa (5)	2592	30.6	15.9	22.6	28.1	25.2	4.8	3.4	31.9	29.4
International Avg. (3)	5670	31.8	17.1	21.2	27.8	21.4	8.1	4.4	31.7	31.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP13_08 SP61047: Object X complete circuit - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1122	53.8	22.2	49.3	11.6	8.5	3.6	4.8	54.5	53.0
Morocco	1957	61.0	12.6	54.7	14.1	8.2	4.0	6.4	59.3	62.6
South Africa (5)	2602	50.4	19.3	47.6	15.6	12.0	1.8	3.7	53.1	47.8
International Avg. (3)	5681	55.1	18.0	50.5	13.8	9.6	3.2	5.0	55.6	54.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP13_09 SP61048: Movements due to gravity - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	53.5	39.8	9.9	14.5	10.3	20.2	5.3	53.8	53.0
Morocco	1955	42.9	31.4	7.8	19.1	14.9	19.6	7.2	46.0	39.9
South Africa (5)	2582	29.5	26.3	13.0	32.1	17.6	6.8	4.2	31.1	27.9
International Avg. (3)	5658	42.0	32.5	10.3	21.9	14.3	15.5	5.6	43.6	40.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Applying

SP13_10 SP61096: Rocks on beach and in woods - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	35.2	23.5	30.2	19.4	12.6	6.8	7.6	36.5	34.0
Morocco	1957	35.7	15.1	30.3	25.4	14.0	7.0	8.2	37.0	34.6
South Africa (5)	2597	33.5	18.5	31.1	28.2	15.1	2.3	4.9	32.3	34.7
International Avg. (3)	5675	34.8	19.0	30.5	24.3	13.9	5.3	6.9	35.3	34.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP13_11 SP61124: Recycle products made of metal (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	18.1	14.0	63.8	14.0	63.8	13.1	9.1	17.4	18.8
Morocco	1957	11.4	9.6	75.2	9.6	75.2	6.0	9.1	10.8	11.9
South Africa (5)	2614	12.7	10.8	74.7	10.8	74.7	9.0	5.5	12.0	13.3
International Avg. (3)	5692	14.0	11.5	71.2	11.5	71.2	9.4	7.9	13.4	14.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP13_11B SP61124B: Recycle products made of metal: run out - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	55.5	40.9	32.8	17.2	9.1	55.5	55.4
Morocco	1957	45.0	35.1	43.0	12.8	9.1	43.6	46.2
South Africa (5)	2614	50.2	40.2	39.9	14.4	5.5	50.1	50.2
International Avg. (3)	5692	50.2	38.7	38.6	14.8	7.9	49.7	50.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP13_11C SP61124C: Recycle products made of metal: plastic - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	60.6	28.7	44.2	18.0	9.1	58.2	63.4
Morocco	1957	53.5	36.4	41.8	12.7	9.1	52.5	54.4
South Africa (5)	2614	56.9	34.8	45.9	13.9	5.5	54.4	59.5
International Avg. (3)	5692	57.0	33.3	44.0	14.9	7.9	55.0	59.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP13_11D SP61124D: Recycle products made of metal: garbage - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	68.0	48.9	23.0	19.0	9.1	66.4	69.7
Morocco	1957	63.0	49.2	28.9	12.8	9.1	66.4	59.8
South Africa (5)	2614	59.6	47.4	32.1	15.1	5.5	58.2	61.1
International Avg. (3)	5692	63.5	48.5	28.0	15.6	7.9	63.7	63.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP13_11E SP61124E: Recycle products made of metal: expensive - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	57.9	41.6	30.3	19.0	9.1	56.3	59.6
Morocco	1957	59.5	46.1	31.4	13.5	9.1	58.1	60.8
South Africa (5)	2614	61.6	48.5	30.3	15.8	5.5	60.9	62.4
International Avg. (3)	5692	59.7	45.4	30.6	16.1	7.9	58.4	60.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Applying
SP13_12 SP61116: Temperature graphs (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1122	24.7	18.1	55.0	18.1	55.0	10.7	16.3	24.6	24.5
Morocco	1957	23.4	18.5	60.4	18.5	60.4	8.7	12.5	22.7	24.1
South Africa (5)	2614	19.6	15.3	62.7	15.3	62.7	11.6	10.4	21.8	17.5
International Avg. (3)	5693	22.6	17.3	59.4	17.3	59.4	10.3	13.1	23.0	22.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Applying

SP13_12B SP61116B: Temperature graphs: June - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1122	55.7	38.6	30.7	14.4	16.3	52.8	58.8
Morocco	1957	55.1	41.0	33.4	13.2	12.5	53.2	56.8
South Africa (5)	2614	54.9	40.6	33.3	15.7	10.4	54.4	55.2
International Avg. (3)	5693	55.2	40.0	32.5	14.4	13.1	53.5	57.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Applying

SP13_12C SP61116C: Temperature graphs: tropical - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1122	57.9	28.2	38.8	16.7	16.3	56.5	59.3
Morocco	1957	51.1	35.2	36.9	15.4	12.5	50.5	51.7
South Africa (5)	2614	57.9	30.1	41.4	18.1	10.4	60.2	55.6
International Avg. (3)	5693	55.6	31.2	39.0	16.8	13.1	55.7	55.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Applying

SP13_12D SP61116D: Temperature graphs: November - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1122	63.2	42.6	24.8	16.3	16.3	60.1	66.6
Morocco	1957	59.7	44.0	29.7	13.8	12.5	59.1	60.2
South Africa (5)	2614	59.5	42.0	28.6	19.0	10.4	60.2	58.8
International Avg. (3)	5693	60.8	42.9	27.7	16.4	13.1	59.8	61.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Applying

SP13_12E SP61116E: Temperature graphs: Equator - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1122	56.5	29.3	38.1	16.3	16.3	57.2	55.5
Morocco	1957	55.5	31.7	39.5	16.3	12.5	55.6	55.4
South Africa (5)	2614	53.3	33.0	37.8	18.8	10.4	55.7	50.9
International Avg. (3)	5693	55.1	31.4	38.5	17.1	13.1	56.2	53.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Knowing

SP14_01 SP71063: Animals that live in the desert - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1127	50.1	46.4	46.2	46.4	46.2	5.1	2.3	49.1	50.7
Morocco	1955	43.3	41.6	54.5	41.6	54.5	3.5	0.4	41.6	44.8
South Africa (5)	2613	18.3	15.1	67.7	15.1	67.7	16.8	0.4	16.0	20.9
International Avg. (3)	5695	37.2	34.4	56.1	34.4	56.1	8.4	1.0	35.6	38.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP14_02 SP71900: Identify another life stage of a caterpillar - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1125	51.9	9.3	9.3	48.4	26.1	4.5	2.3	56.6	46.7
Morocco	1955	50.8	7.6	10.1	47.0	27.9	7.1	0.4	54.9	47.2
South Africa (5)	2608	38.4	15.2	21.2	37.0	23.0	3.2	0.4	41.5	35.4
International Avg. (3)	5688	47.0	10.7	13.6	44.1	25.6	4.9	1.0	51.0	43.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Reasoning

SP14_04 SP71043: Compare offspring chances of survival for elephant and frog - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1121	9.3	5.9	57.6	5.9	57.6	33.5	3.1	6.5	12.1
Morocco	1954	23.6	18.2	59.0	18.2	59.0	22.1	0.7	25.2	22.1
South Africa (5)	2614	6.0	5.8	90.8	5.8	90.8	2.7	0.8	6.1	5.9
International Avg. (3)	5689	12.9	10.0	69.1	10.0	69.1	19.4	1.5	12.6	13.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Life Science / Applying

SP14_05 SP71005: Why plant by the window is healthier - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1125	53.7	39.2	33.8	39.2	33.8	23.3	3.8	54.2	53.1
Morocco	1953	48.5	39.8	42.3	39.8	42.3	16.6	1.3	52.1	45.0
South Africa (5)	2612	25.1	24.3	72.4	24.3	72.4	2.4	1.0	27.8	22.4
International Avg. (3)	5690	42.4	34.4	49.5	34.4	49.5	14.1	2.0	44.7	40.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying
SP14_06 SP71118: What happens when water boils - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1124	30.4	25.2	24.9	27.4	12.5	5.7	4.3	31.6	29.3
Morocco	1954	38.0	16.9	27.4	35.5	13.6	4.8	1.9	41.6	34.8
South Africa (5)	2606	20.6	29.4	35.6	19.8	11.1	2.7	1.4	17.9	23.6
International Avg. (3)	5684	29.7	23.8	29.3	27.5	12.4	4.4	2.5	30.4	29.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP14_07 SP71139: Energy change in an iron - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1124	68.3	60.8	14.4	8.1	5.7	6.3	4.7	71.3	65.1
Morocco	1954	50.4	46.0	14.9	17.2	13.1	6.3	2.5	52.2	48.8
South Africa (5)	2599	55.6	52.9	15.7	15.4	11.2	3.0	1.7	58.8	52.2
International Avg. (3)	5677	58.1	53.2	15.0	13.6	10.0	5.2	3.0	60.8	55.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP14_08 SP71114: Objects Joseph can pick up with a magnet - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1116	32.1	27.4	58.0	27.4	58.0	9.5	5.1	32.3	31.5
Morocco	1955	41.9	38.2	52.9	38.2	52.9	6.0	2.9	41.9	41.9
South Africa (5)	2606	24.0	18.8	59.4	18.8	59.4	19.7	2.2	24.2	23.8
International Avg. (3)	5677	32.7	28.1	56.8	28.1	56.8	11.7	3.4	32.8	32.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Applying

SP14_09 SP71131: Circuit where the bulb is lit - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1117	23.2	21.4	70.8	21.4	70.8	2.4	5.4	25.1	21.1
Morocco	1955	38.9	37.1	58.2	37.1	58.2	1.2	3.5	44.6	34.0
South Africa (5)	2612	26.1	24.9	70.6	24.9	70.6	2.0	2.5	30.3	21.9
International Avg. (3)	5684	29.4	27.8	66.5	27.8	66.5	1.9	3.8	33.3	25.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Physical Science / Knowing

SP14_10 SP71152: Force between rug and sofa - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1124	40.4	8.6	37.1	10.6	35.5	2.6	5.6	38.7	42.1
Morocco	1955	41.2	6.7	38.6	12.2	36.1	2.8	3.6	39.3	42.9
South Africa (5)	2607	27.3	14.9	26.2	29.2	25.7	1.6	2.4	25.2	29.3
International Avg. (3)	5686	36.3	10.1	33.9	17.3	32.5	2.3	3.9	34.4	38.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP14_11 SP71218: How sand dunes move - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1124	64.9	59.0	7.9	10.7	13.3	2.7	6.4	67.2	62.2
Morocco	1955	65.5	60.3	9.5	10.6	11.8	3.2	4.7	68.0	63.3
South Africa (5)	2603	48.2	46.2	21.7	15.2	12.7	1.1	3.1	52.4	44.1
International Avg. (3)	5682	59.5	55.2	13.0	12.2	12.6	2.3	4.7	62.6	56.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Applying

SP14_12 SP71214: Best way to replenish a forest - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1124	37.8	22.0	15.7	17.2	33.4	4.9	6.8	38.5	37.0
Morocco	1955	46.0	14.6	16.9	17.4	41.7	3.9	5.4	47.7	44.5
South Africa (5)	2600	30.1	23.6	25.4	17.1	28.4	2.3	3.2	30.1	30.1
International Avg. (3)	5679	38.0	20.1	19.3	17.2	34.5	3.7	5.1	38.8	37.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Science: Earth Science / Knowing

SP14_13 SP71213: Benefit of using sunlight or wind to produce electricity - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Kuwait	1124	11.1	2.3	6.2	68.3	8.5	68.3	14.1	9.1	11.0	11.3
Morocco	1955	19.8	14.8	0.1	60.4	14.9	60.4	17.6	7.0	22.6	17.4
South Africa (5)	2613	3.1	1.6	1.2	88.2	2.8	88.2	4.9	4.0	2.8	3.5
International Avg. (3)	5692	11.3	6.3	2.5	72.3	8.8	72.3	12.2	6.7	12.1	10.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College