

Survey questionnaire and topline

2016 PEW RESEARCH CENTER'S AMERICAN TRENDS PANEL

WAVE 17 May

FINAL TOPLINE

May 10 – June 6, 2016

FORM 3 N=1,534

ASK ALL FORMS [N=4,563]:

TALK Thinking about conversations you have had in person, on the phone, or by email, text message or social media, which of these topics, if any, have you talked about in the PAST 7 DAYS?

	<u>Selected</u>	<u>Not selected /No answer</u>
a. The economy and job situation May 10-June 6,2016	46	54
b. Severe storms May 10-June 6,2016	37	63
c. Food and nutrition May 10-June 6,2016	47	53
d. The 2016 presidential election campaign May 10-June 6,2016	66	34
e. Health and medicine May 10-June 6,2016	53	47
f. Sports May 10-June 6,2016	36	64
g. None of these [EXCLUSIVE PUNCH] May 10-June 6,2016	7	93

ASK ALL FORMS [N=4,563] EXCEPT WHERE NOTED:

CONF How much confidence, if any, do you have in each of the following to act in the best interests of the public? **[RANDOMIZE ITEMS]**

a. Elected officials May 10-June 6 <u>2016</u>	3	A great deal of confidence
	24	A fair amount of confidence
	54	Not too much confidence
	19	No confidence at all
	1	No answer
b. The news media May 10-June 6 <u>2016</u>	5	A great deal of confidence
	33	A fair amount of confidence
	40	Not too much confidence
	21	No confidence at all
	1	No answer

CONF CONTINUED...

c. The military

May 10-June 6

2016

33	A great deal of confidence
46	A fair amount of confidence
15	Not too much confidence
5	No confidence at all
1	No answer

ASK FORM 1 [N=1,549]:

d. Medical scientists

May 10-June 6

2016

24	A great deal of confidence
60	A fair amount of confidence
12	Not too much confidence
3	No confidence at all
1	No answer

ASK FORM 2 AND FORM 3 [N=3,014]:

d. Scientists

May 10-June 6

2016

21	A great deal of confidence
55	A fair amount of confidence
18	Not too much confidence
4	No confidence at all
1	No answer

e. Religious leaders

May 10-June 6

2016

13	A great deal of confidence
39	A fair amount of confidence
32	Not too much confidence
14	No confidence at all
1	No answer

f. Public school principals and superintendents for grades K-12

May 10-June 6

2016

13	A great deal of confidence
53	A fair amount of confidence
27	Not too much confidence
7	No confidence at all
1	No answer

CONF CONTINUED...

g. Business leaders

May 10-June 6

2016

4	A great deal of confidence
37	A fair amount of confidence
44	Not too much confidence
14	No confidence at all
1	No answer

OTHER QUESTIONS HELD FOR FUTURE RELEASE OR PREVIOUSLY RELEASED

ASK FORM 3 [N=1,534] [RANDOMIZE ITEMS D-F]:

LOCAL How much, if at all, is each of the following a problem in your local community?
[RANDOMIZE ITEMS]

d. Air pollution

May 10-June 6

2016

19	Big problem in my local community
44	Small problem in my local community
36	Not a problem in my local community
1	No answer

e. Water pollution of lakes, rivers and streams

May 10-June 6

2016

23	Big problem in my local community
43	Small problem in my local community
33	Not a problem in my local community
1	No answer

f. Too much land development

May 10-June 6

2016

29	Big problem in my local community
37	Small problem in my local community
34	Not a problem in my local community
1	No answer

ASK FORM 3 [N=1,534]:

ENV1 Compared with twenty years ago, do you think the U.S. is producing...

May 10-June 6

2016

72	More energy today
10	Less energy today
17	About the same amount of energy today
1	No answer

ASK FORM 3 [N=1,534]:

ENV2 Do you favor or oppose EXPANDING each of the following sources of energy in our country? **[RANDOMIZE ITEMS]**

May 10-June 6,2016		<u>Favor</u>	<u>Oppose</u>	<u>No answer</u>
a.	More offshore oil and gas drilling in U.S. waters	45	52	3
b.	More nuclear power plants to generate electricity	43	54	3
c.	More coal mining	41	57	3
d.	More solar panel "farms"	89	9	2
e.	More hydraulic fracturing or "fracking" for oil and natural gas	42	53	5
f.	More wind turbine "farms"	83	14	3

NO QUESTION ENV3

ASK FORM 3 [N=1,534]:

ENV4 Have you given serious thought to installing solar panels to generate electricity for your home within the past 12 months, or haven't you done this?

May 10-June 6

2016

37	I have given serious thought to installing solar panels at home
4	I have already installed solar panels at home
56	I have not installed nor given serious thought to installing solar panels
3	No answer

ASK IF "GIVEN SERIOUS THOUGHT TO INSTALLING SOLAR PANELS AT HOME" (ENV4=1) OR "HAVE ALREADY INSTALLED SOLAR PANELS AT HOME" (ENV4=2) [N=670]:

ENV5 **[ASK IF "GIVEN SERIOUS THOUGHT TO INSTALLING SOLAR PANELS AT HOME" (ENV4=1):** Is each of the following a reason you would install solar panels at your home, or not? **/ASK IF "HAVE ALREADY INSTALLED SOLAR PANELS AT HOME" (ENV4=2):** Is each of the following a reason that you have installed solar panels at your home, or not?**]**
[RANDOMIZE ITEMS]

May 10-June 6,2016		<u>Yes, a reason</u>	<u>No, not a reason</u>	<u>No answer</u>
a.	To save money on utility bills	92	6	2
b.	To help the environment	87	12	1
c.	Because it would be better for my own health and my family's health	67	32	1
d.	To get a solar investment tax credit	59	38	2

ASK FORM 3 [N=1,534]:

On a different topic...

ENV6 Which, if any, of the following have you done within the PAST 12 MONTHS?

[Check all that apply] **[RANDOMIZE ITEMS; item g always last]**

May 10-June 6,2016		<u>Selected</u>	<u>Not selected /No answer</u>
a.	Participated in a clean-up day at a park, public place, or neighborhood	14	86
b.	Worked in a PUBLIC SPACE tending to or planting flowers, trees or shrubs	10	90
c.	Worked to take care of a vegetable garden for your family's use	34	66
d.	Taken a hike in a park or natural setting outdoors	50	50
e.	Been camping overnight	16	84
f.	Been hunting or fishing	21	79
g.	None of these [EXCLUSIVE PUNCH]	27	73

ASK FORM 3 [N=1,534]:

ENV7 How often, if at all, do you do the following? **[RANDOMIZE ITEMS]**

a. Use your own bags for shopping purchases because it is better for the environment

May 10-June 6

2016

15	Always
38	Sometimes
17	Not too often
29	Never
1	No answer

b. Buy a cleaning product because the ingredients in it are better for the environment

May 10-June 6

2016

12	Always
45	Sometimes
23	Not too often
18	Never
2	No answer

ASK FORM 3 [N=1,534]:

ENV8 Do you currently have any of the following in your home or yard?

[Check all that apply] **[RANDOMIZE ITEMS; item e always last]**

May 10-June 6, 2016

	<u>Selected</u>	<u>Not selected</u> <u>/No answer</u>
a. A compost pile	21	79
b. A rain barrel or catch for rainwater	11	89
c. A vegetable garden	33	67
d. Recycling containers for plastic or paper goods	63	37
e. None of these [EXCLUSIVE PUNCH]	24	76

ENV9 THROUGH ENV15 HELD FOR FUTURE RELEASE OR PREVIOUSLY RELEASED

ASK FORM 3 [N=1,534]:

ENV16 How much, if at all, does it bother you to see... **[RANDOMIZE ITEMS]**

a. People drinking from a disposable water bottle

May 10-June 6

2016

14	A lot
22	Some
30	Not too much
32	None
1	No answer

b. People throwing away things in the trash that could be recycled

May 10-June 6

2016

32	A lot
41	Some
15	Not too much
10	None
1	No answer

c. People incorrectly putting things in recycling bins that the local community does not recycle

May 10-June 6

2016

25	A lot
41	Some
21	Not too much
11	None
2	No answer

d. People driving places that are close enough to walk

May 10-June 6

2016

21	A lot
31	Some
28	Not too much
19	None
1	No answer

e. People leaving lights and electronic devices on when no one is using them

May 10-June 6

2016

36	A lot
40	Some
15	Not too much
8	None
1	No answer

ASK FORM 3 [N=1,534]:

ENV17 How often, if ever, do you make an effort to live in ways that help protect the environment?

May 10-June 6

2016

20	All the time
63	Some of the time
13	Not too often
4	Not at all
*	No answer

ASK FORM 3 [N=1,534]:

ENV18 Would you describe yourself as particularly concerned or not particularly concerned about helping the environment as you go about your daily life?

May 10-June 6

2016

75	Particularly concerned about helping the environment
24	Not particularly concerned about helping the environment
1	No answer

ASK FORM 3 [N=1,534]:

ENV19 Thinking about your CLOSEST FAMILY AND FRIENDS, how many of them always make an effort to live in ways that help protect the environment?

May 10-June 6

2016

26	Most of them
45	Some of them
23	Only a few
6	None of them
*	No answer

ASK FORM 3 [N=1,534]:

On the topic of climate change...

ENV20A Which of these three statements about the Earth's temperature comes closest to your view? **[RANDOMIZE OPTIONS 1 and 2; KEEP 3 and 8 LAST]**

May 10-June 6

2016

45	The Earth is getting warmer mostly because of human activity such as burning fossil fuels
26	The Earth is getting warmer mostly because of natural patterns in the Earth's environment
14	There is no solid evidence that the Earth is getting warmer
14	Not sure
1	No answer

ASK IF NOT SURE OR NO ANSWER (ENV20A=8,99) [N=156]:

ENV20B Even if you are not sure, which of these three statements about the Earth's temperature comes closest to your view? **[SAME ORDER AS ABOVE]**

May 10-June 6

2016

20	The Earth is getting warmer mostly because of human activity such as burning fossil fuels
29	The Earth is getting warmer mostly because of natural patterns in the Earth's environment
41	There is no solid evidence that the Earth is getting warmer
10	No answer

COMBINED RESPONSES ENV20A AND ENV20B [N=1,534]:

May 10-June 6

2016

48	The Earth is getting warmer mostly because of human activity such as burning fossil fuels/lean
31	The Earth is getting warmer mostly because of natural patterns in the Earth's environment/lean
20	There is no solid evidence that the Earth is getting warmer/lean
2	No answer

ASK FORM 3 [N=1,534]:

ENV21 How much do you, personally, care about the issue of global climate change?

May 10-June 6

2016

36	A great deal
38	Some
18	Not too much
8	Not at all
1	No answer

ASK FORM 3 [N=1,534]:

ENV22 Thinking about the following proposals to address global climate change, how much difference, if any, do you think each can make? **[RANDOMIZE ITEMS]**

a. People's efforts to reduce their "carbon footprint," that is the amount of greenhouse gas emissions caused by their actions in everyday life

May 10-June 6

2016

38	A big difference
44	A small difference
16	Almost no difference
2	No answer

b. Restrictions on power plant carbon emissions

May 10-June 6

2016

51	A big difference
34	A small difference
13	Almost no difference
2	No answer

c. More people driving hybrid and electric automobiles

May 10-June 6

2016

41	A big difference
39	A small difference
18	Almost no difference
2	No answer

d. An international agreement to limit carbon emissions

May 10-June 6

2016

49	A big difference
33	A small difference
16	Almost no difference
2	No answer

e. Tougher fuel efficiency standards for automobiles and trucks

May 10-June 6

2016

46	A big difference
38	A small difference
14	Almost no difference
2	No answer

ENV22 CONTINUED...

f. Corporate tax incentives to encourage businesses to reduce their "carbon footprint," that is the amount of greenhouse gas emissions caused by their actions

May 10-June 6

2016

45	A big difference
38	A small difference
16	Almost no difference
2	No answer

ASK FORM 3 [N=1,534]:

ENV23 Do you think each of the following things will or will not happen in the NEXT 50 YEARS, that is before the year 2066? **[RANDOMIZE ITEMS A AND B]**

a. New technology will solve most of the problems from global climate change

May 10-June 6

2016

7	Will definitely happen
48	Will probably happen
37	Will probably NOT happen
7	Will definitely NOT happen
1	No answer

b. We will make MAJOR changes to our way of life in America in order to address the problems from global climate change

May 10-June 6

2016

14	Will definitely happen
47	Will probably happen
33	Will probably NOT happen
4	Will definitely NOT happen
1	No answer

ASK FORM 3 [N=1,534]:

ENV24 **[ASK IF "EARTH IS GETTING WARMER" ENV20A=1,2 OR ENV20B=1,2]:** From what you have heard or read, how likely, if at all, are each of the following to occur because of global climate change?

[ASK IF "NO SOLID EVIDENCE" ENV20A=3 OR ENV20B=3 OR NO ANSWER

(ENV20B=99)]: From what you have heard or read, how likely, if at all, would each of the following be to occur because of global climate change? **[RANDOMIZE ITEMS]**

a. Storms become more severe

May 10-June 6

2016

42	Very likely
36	Fairly likely
15	Not too likely
6	Not at all likely
1	No answer

ENV24 CONTINUED...

b. Rising sea levels that erode beaches and shore lines

May 10-June 6

2016

41	Very likely
35	Fairly likely
17	Not too likely
6	Not at all likely
1	No answer

c. Damage to forests and plant life

May 10-June 6

2016

42	Very likely
35	Fairly likely
16	Not too likely
6	Not at all likely
1	No answer

d. More droughts or water shortages

May 10-June 6

2016

42	Very likely
34	Fairly likely
17	Not too likely
6	Not at all likely
1	No answer

e. Harm to animal wildlife and their habitats

May 10-June 6

2016

43	Very likely
36	Fairly likely
15	Not too likely
5	Not at all likely
1	No answer

ASK FORM 3 [N=1,534]:

ENV25 What role, if any, do you think each of the following groups should have in MAKING DECISIONS ABOUT POLICY ISSUES related to global climate change? **[RANDOMIZE ITEMS]**

a. Elected officials

May 10-June 6

2016

44	A major role
40	A minor role
14	No role
2	No answer

ENV25 CONTINUED...

b. The general public

May 10-June 6

2016

56	A major role
33	A minor role
9	No role
2	No answer

c. Climate scientists

May 10-June 6

2016

67	A major role
23	A minor role
9	No role
2	No answer

d. Energy industry leaders

May 10-June 6

2016

53	A major role
32	A minor role
13	No role
2	No answer

e. Leaders from other nations

May 10-June 6

2016

45	A major role
36	A minor role
18	No role
2	No answer

ASK FORM 3 [N=1,534]:

ENV26 Thinking about what you have heard or read, how well do climate scientists understand... **[RANDOMIZE ITEMS]**

a. Whether or not global climate change is occurring

May 10-June 6

2016

33	Very well
39	Fairly well
18	Not too well
9	Not at all well
1	No answer

b. The causes of global climate change

May 10-June 6

2016

28	Very well
40	Fairly well
22	Not too well
9	Not at all well
1	No answer

c. The best ways to address global climate change

May 10-June 6

2016

19	Very well
45	Fairly well
26	Not too well
9	Not at all well
1	No answer

ASK FORM 3 [N=1,534]:

ENV27 How much, if at all, do you trust each of the following groups to give full and accurate information about THE CAUSES of global climate change? **[RANDOMIZE ITEMS]**

a. Elected officials

May 10-June 6

2016

4	A lot
25	Some
43	Not too much
27	Not at all
1	No answer

b. Climate scientists

May 10-June 6

2016

39	A lot
39	Some
13	Not too much
9	Not at all
1	No answer

ENV27 CONTINUED...

c. Energy industry leaders

May 10-June 6

2016

7	A lot
34	Some
36	Not too much
22	Not at all
1	No answer

d. The news media

May 10-June 6

2016

7	A lot
36	Some
31	Not too much
25	Not at all
1	No answer

ASK FORM 3 [N=1,534]:

ENV28 As far as you know, how many climate scientists say that human behavior is mostly responsible for global climate change?

May 10-June 6

2016

27	Almost all
35	More than half
20	About half
11	Fewer than half
4	Almost none
3	No answer

ASK FORM 3 [N=1,534]:

ENV29 How often, if ever, do you think research findings from climate scientists about global climate change are influenced by each of the following? **[RANDOMIZE**

ITEMS]

a. The desire to help the industries they work with or work for

May 10-June 6

2016

26	Most of the time
53	Some of the time
16	Not too often
3	Never
2	No answer

ENV29 CONTINUED...

b. Concern for the best interests of the public

May 10-June 6

2016

23	Most of the time
48	Some of the time
22	Not too often
6	Never
1	No answer

c. Their own personal political leanings

May 10-June 6

2016

27	Most of the time
46	Some of the time
21	Not too often
3	Never
2	No answer

d. The desire to advance their career

May 10-June 6

2016

36	Most of the time
43	Some of the time
16	Not too often
3	Never
2	No answer

e. The best available scientific evidence

May 10-June 6

2016

32	Most of the time
48	Some of the time
15	Not too often
3	Never
2	No answer

ASK FORM 3 [N=1,534]:

ENV30 How closely, if at all, do you follow news about global climate change?

May 10-June 6

2016

11	Very closely
44	Somewhat closely
32	Not too closely
12	Not at all closely
1	No answer

ASK FORM 3 [N=1,534]:

ENV31 Overall, how would you rate the job news media do in covering issues about global climate change?

May 10-June 6

2016

6	Very good job
41	Somewhat good job
35	Somewhat bad job
16	Very bad job
2	No answer

NO QUESTION ENV32

[RANDOMIZE ITEMS ENV33-ENV34]

ASK FORM 3 [N=1,534]:

Thinking about the reporting you've seen or heard about global climate change...

ENV33 Do you think the news media generally... **[RANDOMIZE ORDER OF OPTIONS 1**

AND 2 WITH 3 ALWAYS LAST]

May 10-June 6

2016

35	Exaggerate the threat of climate change from global warming
42	Don't take the threat of climate change seriously enough
20	Are about right in their reporting
3	No answer

ASK FORM 3 [N=1,534]:

ENV34 Do you think the news media generally... **[RANDOMIZE ORDER OF OPTIONS 1**

AND 2 WITH 3 ALWAYS LAST]

May 10-June 6

2016

32	Give too much attention to skeptics of climate change
40	Give too little attention to skeptics of climate change
25	Give about the right amount of attention to skeptics of climate change
3	No answer

ASK ALL FORMS [N=4,563]:

Here's a different kind of question. (If you don't know the answer, select "Not sure.") As far as you know...¹

ASK ALL:

KNOSCT22 Which is the better way to determine whether a new drug is effective in treating a disease? If a scientist has a group of 1,000 volunteers with the disease to study, should she... **[RANDOMIZE OPTIONS 1-2]**²

May 10-June 6

2016

65	Give the drug to half of them but not to the other half, and compare how many in each group get better (<i>Correct</i>)
35	NET Incorrect/Not sure/No answer
14	Give the drug to all of them and see how many get better
20	Not sure
1	No answer

[RANDOMIZE ITEMS KNOSCT23 TO KNOSCT34; KNOSCT22 ALWAYS FIRST]

ASK ALL FORMS [N=4,563]:

KNOSCT23 What gas is made as a consequence of burning fossil fuels? Is it ... **[RANDOMIZE OPTIONS 1-4]**³

May 10-June 6

2016

68	Carbon dioxide (<i>Correct</i>)
32	NET Incorrect/Not sure/No answer
4	Hydrogen
1	Helium
2	Radon
24	Not sure
1	No answer

NO QUESTION KNOSCT24, KNOSCT25 AND KNOSCT26

¹ This set of questions include an option of "not sure" in keeping with the analysis by Roger Tourangeau, Aaron Maitland and Yanna Yan, 2016, "Assessing the Scientific Knowledge of the General Public: The Effects of Question Format and Encouraging or Discouraging Don't Know Responses," [Public Opinion Quarterly](#).

² For comparison, a Pew Research Center survey conducted March 7-10, 2013 found 75% of adults answering this question correctly over the telephone with no explicit option provided of saying don't know or not sure.

³ A similar concept in a Pew Research Center survey conducted by telephone March 7-10, 2013 found 75% of adults identified carbon dioxide as the "gas which most scientists believe cause temperatures in the atmosphere to rise."

ASK ALL FORMS [N=4,563]:

KNOSCT27 If the chances that an old bridge will collapse starts at 1% in week 1 and doubles each week (as shown below), what is the chance that the old bridge will collapse during week 7?

Chances the bridge will collapse is ...

- 1% at Week 1
- 2% at Week 2
- 4% at Week 3
- 8% at Week 4

Enter the % chance that the bridge will collapse at Week 7

May 10-June 6

2016

58	64% (Correct) ⁴
42	NET Incorrect/Not sure/No answer
20	All other numeric responses
19	Not sure
2	No answer

ASK ALL FORMS [N=4,563]:

KNOSCT28 Which of the following conditions can be treated effectively by antibiotic medications?

[Check all that apply] [RANDOMIZE ITEMS with ITEM e and f always last]

May 10-June 6

2016

44	Bacterial infection only (Correct)
56	NET Incorrect/Not sure/No answer

		<u>Selected</u>	<u>Not selected</u> <u>/No answer</u>
a.	Viral infections (such as a cold)	22	78
b.	Fungal infections (such as athlete's foot)	27	73
c.	Bacterial infections (such as strep throat infections)	81	19
d.	Allergic reactions to insect bites	17	83
e.	None of these [EXCLUSIVE PUNCH]	2	98
f.	Not sure [EXCLUSIVE PUNCH]	10	90

⁴ This question is adapted from literature numeracy and its relationship with people's health literacy. See Joshua A. Weller et al. 2013. "Development and Testing of an Abbreviated Numeracy Scale: A Rasch Analysis Approach," Journal of Behavioral Decision Making, vol. 26 (198-212). Note that a few respondents mentioned that the correct answer could be ambiguous if respondents' interpret the question to use unconditional probabilities. The example solutions shown as part of the question for weeks 1 through 4 illustrate a solution based on conditional probabilities. No respondents who are classified as giving an incorrect answer gave a response that would be correct based on unconditional probabilities, however.

ASK ALL FORMS [N=4,563]:

KNOSCT29 If a scientist wants to determine if a new drug is effective at treating high blood pressure by giving half of a group of 1,000 volunteers a new medication and the other half a "sugar pill," she wants to rule out... **[RANDOMIZE OPTIONS 1-3]**

May 10-June 6

2016

55	A placebo effect (<i>Correct</i>)
45	NET Incorrect/Not sure/No answer
3	A third person effect
17	A false consensus effect
23	Not sure
1	No answer

NO QUESTION KNOSCT30

ASK ALL FORMS [N=4,563]:

KNOSCT31 Which of these terms refers to health benefits occurring when most people in a population get a vaccine? **[RANDOMIZE OPTIONS 1-3]**

May 10-June 6

2016

32	Herd immunity (<i>Correct</i>)
68	NET Incorrect/Not sure/No answer
8	Population control
33	Vaccination rate
26	Not sure
2	No answer

ASK ALL FORMS [N=4,563]:

KNOSCT32 Which of the following can be genetically modified?

[Check all that apply] [RANDOMIZE ITEMS with ITEM e and f always last]

May 10-June 6

201636 Selected all (*Correct*)
64 NET Incorrect/Not sure/No answer

		<u>Selected</u>	<u>Not selected</u> <u>/No answer</u>
a.	An apple	59	41
b.	Salmon	51	49
c.	A mosquito	42	58
d.	Corn	70	30
e.	None of these [EXCLUSIVE PUNCH]	2	98
f.	Not sure [EXCLUSIVE PUNCH]	1	99

ASK ALL FORMS [N=4,563]:KNOSCT33 Humans and mice share the same genetic make-up by... **[RANDOMIZE ORDER LOW TO HIGH; HIGH TO LOW with NOT SURE ALWAYS LAST]**

May 10-June 6

201633 About 50% or more (*Correct*)
67 NET Incorrect/Not sure/No answer
7 Less than 10%
14 Between 11% and 49%
46 Not sure
1 No answer**ASK ALL FORMS [N=4,563]:**KNOSCT34 Which gas makes up most of the Earth's atmosphere? **[RANDOMIZE OPTIONS 1-4]⁵**

May 10-June 6

201627 Nitrogen (*Correct*)
73 NET Incorrect/Not Sure/No answer
9 Hydrogen
10 Carbon dioxide
35 Oxygen
17 Not sure
2 No answer

⁵ For comparison, a Pew Research survey conducted March 7-10, 2013 found 20% of adults answering this question correctly over the telephone with no explicit option provided of saying don't know or not sure.

TOTAL NUMBER CORRECT KNOSCT22 THROUGH KNOSCT34:

May 10-June 6

2016

4	9 out of 9
8	8 out of 9
10	7 out of 9
10	6 out of 9
13	5 out of 9
14	4 out of 9
11	3 out of 9
12	2 out of 9
10	1 out of 9
8	0 out of 9

22 High science knowledge (7-9 correct)

48 Medium science knowledge (3-6 correct)

30 Low science knowledge (0-2 correct)