

Attitudes Toward Science Scale (Adapted from Francis & Greer, 1999)

1. Science and Technology cause many of the world's problems

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

2. Working in a science career would be an interesting way to earn a living

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

3. Science is very important for the country's development

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

4. Science is very important for my community's development

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

5. Money spent on science is well worth spending

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

6. In my future career, I would like to use the science I learned in school

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

7. The science taught in school is interesting

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

8. Science is relevant to my everyday life

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

9. I do not have much interest in science

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

10. I would like to understand more about scientific explanations of things

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

Science Efficacy Scale (Adapted from Jinks & Morgan, 1996)

Talent Sub-scale

1. I am a good science student

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

2. My friends or siblings often ask me for help with science homework

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

3. Understanding science concepts comes easy to me

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

4. Science is a frustrating subject

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

5. I often feel nervous that I'll be lost in science classes.

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

Effort Subscale

6. Most of my classmates work harder than I do in science classes

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

7. I always get good grades in science classes if I try hard

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

8. If I miss a science class, it is easy for me to catch up on the work if I try

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

Assessment of Environmentally Friendly Behaviors

1. After one day of use, my clothing goes into the laundry.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

2. As the last person to leave a room, I switch off the lights.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

3. I leave electrical appliances (TV, stereo, computer) on even if I'm not in the room

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

4. In the winter, I turn down the heat when I leave my room for more than 4 hours

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

5. I ride a bicycle, take public transportation or walk to school.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

6. When I buy beverages in cans or bottles, I recycle those bottles.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

7. If I am offered a plastic bag in a store, I take it.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

8. I reuse my shopping bags.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

9. I recycle used paper.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

10. At my apartment or house, I separate waste products from recyclable products.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

11. For making notes, I take paper that is already used on one side.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

12. When shopping, I prefer products with eco-labels.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

13. I eat in fast-food restaurants, such as McDonalds and Burger King.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

14. I have pointed out un-ecological behavior to other people.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

15. I try to learn about environmental issues in the media (newspapers, magazines, TV).

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

16. After a picnic or outing, I leave the place as clean as it was before.

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

Assessment of Environmental Attitudes

People around the world are generally concerned about environmental problems because of the consequences that result from harming nature. However, people differ in the consequences that concern them the most. Please rate each of the following items from 1 (not important) to 7 (supreme importance) in response to the question:

I am concerned about environmental problems because of the consequences for

Plants_____ Me_____ People in my community_____

Marine life_____ My lifestyle____ All people_____

Birds_____ My health_____ Children_____

Animals_____ My future_____ My children_____

Revised New Ecological Paradigm Scale (Manoli, Johnson & Dunlap, 2007)

*all items answered on a Strongly disagree (1) – Strongly Agree (7) scale

1. Plants and animals have as much a right as people to live

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

2. There are too many (or almost too many) people on earth

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

3. People are clever enough to keep from ruining the earth

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

4. People must still obey the laws of nature

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

5. When people mess with nature it has bad results

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

6. Nature is strong enough to hand the bad effects of our modern lifestyle

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

7. People are supposed to rule over the rest of nature

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

8. People are treating nature badly

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

9. People will someday know enough about how nature works to be able to control it

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

10. If things don't change, we will have a big disaster in the environment soon

Strongly Disagree			Not Sure			Strongly Agree
1	2	3	4	5	6	7

GK-12 SURVEY: SCIENCE, THE ENVIRONMENT, AND YOU!

Directions: All we ask is that you answer questions as best you can and with honesty. Remember, these are YOUR opinions!

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2. Working in a science career would be an interesting way to earn a living

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10. I would like to understand more about scientific explanations of things

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11. I am a good science student

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16. I always get good grades in science classes if I try hard

Strongly Disagree			Not Sure			Strongly Agree
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17. If I miss a science class, it is easy for me to catch up on the work if I try

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And Now, Some Stuff about your Habits and Daily Life

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Almost Never	Rarely	Sometimes	Often	Almost Always
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10. I try to learn about environmental issues in the media (newspapers, magazines, TV).

Almost Never	Rarely	Sometimes	Often	Almost Always
1	2	3	4	5

Final Thoughts... YOU'RE ALMOST DONE!

1. Plants and animals have as much a right as people to live

Strongly Disagree			Not Sure			Strongly Agree
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2. There are too many (or almost too many) people on earth

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When you think about environmental problems, how concerned are you that these problems will affect each of the following:

1 = Not at all concerned 2= A little concerned 3=Somewhat Concerned 4= Very Concerned

Plants_____ Me_____ People in my community_____

Marine life_____ My lifestyle____ All people_____

Birds_____ My health_____ Children_____

Animals_____ My future_____ My children_____