



# **Student Background Questionnaire**

---

**2000 Science  
Grade 12**

## SECTION 3

### Section 3

This section has 22 questions. Mark your answers in your booklet. Fill in only **one** oval for each question.

1. Which best describes you?

- Ⓐ White (not Hispanic)
- Ⓑ Black (not Hispanic)
- Ⓒ Hispanic ("Hispanic" means someone who is from a Mexican, Mexican American, Chicano, Puerto Rican, Cuban, or other Spanish or Hispanic background.)
- Ⓓ Asian or Pacific Islander ("Asian or Pacific Islander" means someone who is from a Chinese, Japanese, Korean, Filipino, Vietnamese, or other Asian or Pacific Island background.)
- Ⓔ American Indian or Alaskan Native ("American Indian or Alaskan Native" means someone who is from one of the American Indian tribes, or one of the original people of Alaska.)
- Ⓕ Other (specify) \_\_\_\_\_

TB003001

LC000006

3. How long have you lived in the United States?

- Ⓐ All my life
- Ⓑ More than 5 years but not all my life
- Ⓒ 3-5 years
- Ⓓ Less than 3 years

TB003201

4. How often do the people in your home speak a language other than English?

- Ⓐ Never
- Ⓑ Sometimes
- Ⓒ Always

HE002514

5. How much education did your mother receive? ("Mother" can be a mother, stepmother, or female guardian.)

- Ⓐ She did not finish high school.
- Ⓑ She graduated from high school.
- Ⓒ She had some education after high school.
- Ⓓ She graduated from college.
- Ⓔ I don't know.

TB003101

2. If you are Hispanic, what is your Hispanic background?

- Ⓐ I am not Hispanic.
- Ⓑ Mexican, Mexican American, or Chicano
- Ⓒ Puerto Rican
- Ⓓ Cuban
- Ⓔ Other Spanish or Hispanic background

### Section 3

HE002515  
6. How much education did your father receive? ("Father" can be a father, stepfather, or male guardian.)

- Ⓐ He did not finish high school.
- Ⓑ He graduated from high school.
- Ⓒ He had some education after high school.
- Ⓓ He graduated from college.
- Ⓔ I don't know.

HE002534  
7. About how many books are in your home?

- Ⓐ None
- Ⓑ 1-10 (Few)
- Ⓒ 11-25 (Enough to fill one shelf)
- Ⓓ 26-100 (Enough to fill one bookcase)
- Ⓔ More than 100 (Enough to fill several bookcases)

TB000901  
8. Does your family get a newspaper regularly?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

TB000903  
9. Is there an encyclopedia in your home?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

TB000905  
10. Does your family get any magazines regularly?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

TB001801  
11. On a school day, about how many hours do you usually watch TV or videotapes outside of school hours?

- Ⓐ None
- Ⓑ 1 hour or less
- Ⓒ 2 hours
- Ⓓ 3 hours
- Ⓔ 4 hours
- Ⓕ 5 hours
- Ⓖ 6 hours or more



TB006601

12. How much time do you usually spend on homework each day?

- Ⓐ I don't usually have homework assigned.
- Ⓑ I have homework but I don't usually do it.
- Ⓒ 1/2 hour or less
- Ⓓ 1 hour
- Ⓔ More than 1 hour

TB001101

13. About how many pages a day do you have to read in school and for homework?

- Ⓐ More than 20
- Ⓑ 16-20
- Ⓒ 11-15
- Ⓓ 6-10
- Ⓔ 5 or fewer

TS004001

14. How many days of school did you miss last month?

- Ⓐ None
- Ⓑ 1 or 2 days
- Ⓒ 3 or 4 days
- Ⓓ 5 to 10 days
- Ⓔ More than 10 days

QK070693

15. Since you started first grade, how many times have you changed schools, not counting when you were promoted to the next grade?

- Ⓐ None
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7 or more

HE002540

16. How often do you discuss things you have studied in school with someone at home?

- Ⓐ Almost every day
- Ⓑ Once or twice a week
- Ⓒ Once or twice a month
- Ⓓ Never or hardly ever

HE002795

17. How often do you use a computer at home for schoolwork?

- Ⓐ Almost every day
- Ⓑ Once or twice a week
- Ⓒ Once or twice a month
- Ⓓ Never or hardly ever
- Ⓔ There is no computer at home.

### Section 3

18. Do you use the Internet at home?

ID110020

- Ⓐ Yes
- Ⓑ No

19. How safe do you feel at school?

HE002541

- Ⓐ Very safe
- Ⓑ Somewhat safe
- Ⓒ Somewhat unsafe
- Ⓓ Very unsafe

20. How much education do you think you will complete?

QK070697

- Ⓐ I will not finish high school.
- Ⓑ I will graduate from high school.
- Ⓒ I will have some education after high school.
- Ⓓ I will graduate from college.
- Ⓔ I will go to graduate school.
- Ⓕ I don't know.

21. What do you expect that your main activity will be in the year after you leave high school?

TB005501

- Ⓐ Working full time
- Ⓑ Attending a vocational, technical, or business school
- Ⓒ Attending a two-year college
- Ⓓ Attending a four-year college, service academy, or university
- Ⓔ Serving in the regular military service
- Ⓕ Other

22. How many hours per week do you usually work in a part-time job? Exclude vacations.

QK070704

- Ⓐ None
- Ⓑ Less than 6 hours
- Ⓒ 6 to 10 hours
- Ⓓ 11 to 15 hours
- Ⓔ 16 to 20 hours
- Ⓕ 21 to 25 hours
- Ⓖ 26 to 30 hours
- Ⓗ More than 30 hours



# SECTION 4

## Section 4

This section has 21 questions. Mark your answers in your booklet. Fill in only **one** oval for each question.

HE002996

1. How much do you agree with the following statements? Fill in **one** oval on each line.

	Agree	Not Sure	Disagree	
a. I like science.	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	HE002997
b. I am good at science.	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	HE002998
c. Learning science is mostly memorizing.	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	HE002999
d. Science is useful for solving everyday problems.	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	HE003000
e. All students can do well in science if they try.	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	QK070708
f. Science is boring.	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	HE003003

LC000172

2. Are you taking a science course this year?

- ☐ (A) Yes
- ☐ (B) No

WO001050

3. If you are taking a science course this year, about how much time do you spend doing science homework **each week**?

- ☐ (A) I am not taking a science course.
- ☐ (B) None
- ☐ (C) 1/2 hour
- ☐ (D) 1 hour
- ☐ (E) 2 hours
- ☐ (F) 3 hours
- ☐ (G) More than 3 hours

## Section 4

LC000186

4. Do (did) you ever do science investigations or projects in school that take a week or more?

☐ A Yes  
☐ B No

WO001032

5. In the last two years, have you participated in a science fair, festival, or special science day?

☐ A Yes  
☐ B No

HE003014

6. When you study science in school, how often do you do each of the following? Fill in **one** oval on each line.

	Almost Every Day	Once or Twice a Week	Once or Twice a Month	Never or Hardly Ever	
a. Read a science textbook	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	HE003015
b. Read a book or magazine about science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	HE003016
c. Discuss science in the news	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	HE003017
d. Work with other students on a science activity or project	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	WO001033
e. Give an oral science report	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	WO001034
f. Prepare a written science report	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	WO001035
g. Do hands-on activities or investigations in science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	LD001451
h. Talk about the measurements and results from your hands-on activities or investigations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	LD001477
i. Use a computer for science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	WO001038
j. Take a science test or quiz	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	WO001039
k. Use library resources for science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	WO001040

WO001042

7. When you study science in school, how often does your teacher do each of the following?  
Fill in **one** oval on each line.

	Almost Every Day	Once or Twice a Week	Once or Twice a Month	Never or Hardly Ever	
a. Do a science demonstration	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	WO001044
b. Show a science videotape or science television program	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	WO001045
c. Use computers for science (e.g., science software, telecommunications)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	WO001046
d. Use CD's or laser discs on science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	WO001047

WO001048

8. About how often does your science class  
go on a science field trip?

- ☐ A 3 or more times a year  
☐ B 1 or 2 times a year  
☐ C Never or hardly ever

QK070714

9. When you do science experiments or  
investigations in school, do you use a  
lab book or notebook for keeping your  
records, logs, and comments?

- ☐ A I am not taking science this year.  
☐ B Yes  
☐ C No  
☐ D I don't know.



## Section 4

10. About how often do you do each of the following in your class? Fill in only **one** oval on each line.

QK070681

	I am Not Taking Science	Once a Month or More	Sometimes but Less than Once a Month	Never	
a. Design <b>your own</b> science experiment or investigation	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	QK070682
b. Carry out the science experiment or investigation you designed	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	QK070683
c. Write up the results of the experiment or investigation you designed	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	QK070684
d. Talk to the class about the results of your experiment or investigation	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	QK070685

11. When you work on science experiments or investigations do you usually work with other students?

QK070686

- ☐ A I am not taking science this year.
- ☐ B Yes
- ☐ C No
- ☐ D We do not do science experiments or investigations in class.

12. In your science class this year, does your teacher ask you to make comments or suggestions about other students' experiments or investigations?

QK070687

- ☐ A I am not taking science this year.
- ☐ B Yes
- ☐ C No
- ☐ D We do not do science experiments or investigations in class.

QK070688

13. If you are taking a science class this year, about how often do you use a computer to do the following? Fill in only **one** oval on each line.

	I am Not Taking Science	Once a Month or More	Sometimes but Less Than Once a Month	Never	
a. Collect data using lab equipment that interfaces with computers (for example, probes)	(A)	(B)	(C)	(D)	QK070690
b. Download data and related information from the Internet	(A)	(B)	(C)	(D)	QK070689
c. Analyze data using the computer	(A)	(B)	(C)	(D)	QK070691
d. Use the Internet to exchange information with other students or scientists about science experiments or investigations	(A)	(B)	(C)	(D)	QK070692

# Section 4

ID110225

14. Which courses have you taken from the eighth grade to the present? You should fill in more than one oval in each row if you have taken a course of that description more than once. If you have never taken a particular course, fill in the oval in the column “Course not taken.” Fill in at least one oval in each row.

	Course Not Taken	I Took This Course in Grade 8	I Took This Course in Grade 9	I Took This Course in Grade 10	I Took This Course in Grade 11	I Took This Course in Grade 12	
a. Earth (and space) science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110226
b. Life science (other than biology)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110227
c. Physical science (other than chemistry and physics)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110228
d. General science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110229
e. Integrated science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110230
f. First-year biology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110231
g. Second-year biology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110232
h. First-year chemistry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110233
i. Second-year chemistry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110234
j. First-year physics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110235
k. Second-year physics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110236
l. Science and technology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110237
m. Other science course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	ID110238

ID110275

15. Are you currently enrolled in or have you taken an Advanced Placement course in science? Fill in ovals for **all** that apply.

- ☐ A Yes, I am enrolled in or have taken Advanced Placement Biology.
- ☐ B Yes, I am enrolled in or have taken Advanced Placement Environmental Science.
- ☐ C Yes, I am enrolled in or have taken Advanced Placement Chemistry.
- ☐ D Yes, I am enrolled in or have taken Advanced Placement Physics B or C.
- ☐ E Yes, I am enrolled in or have taken Advanced Placement Computer Science A or AB.
- ☐ F No, I have never taken an Advanced Placement science course.

ID110276

16. Are you currently enrolled in or have you taken International Baccalaureate courses in science?

- ☐ A Yes
- ☐ B No

QK070709

17. How hard was this test compared to most other science tests you have taken this year in school?

- ☐ A Much harder than other science tests
- ☐ B Harder than other science tests
- ☐ C About as hard as other science tests
- ☐ D Easier than other science tests

QK070710

18. How hard did you try on this test compared to how hard you tried on most other science tests you have taken this year in school?

- ☐ A Much harder than on other science tests
- ☐ B Harder than on other science tests
- ☐ C About as hard as on other science tests
- ☐ D Not as hard as on other science tests

## Section 4

QK070711

19. How important was it to you to do well on this science test?

- ☐ Ⓐ Very important
- ☐ Ⓑ Important
- ☐ Ⓒ Somewhat important
- ☐ Ⓓ Not very important

QK070712

20. This year in school, how often have you been asked to write long answers to questions on tests or assignments for science?

- ☐ Ⓐ At least once a week
- ☐ Ⓑ Once or twice a month
- ☐ Ⓒ Once or twice this year
- ☐ Ⓓ Never

ID110144

21. How strongly do you agree with the following statements? Fill in only **one** oval on each line.

- |  | Strongly Agree          | Agree                   | Disagree                | Strongly Disagree       |
|--|-------------------------|-------------------------|-------------------------|-------------------------|
| a. Doing well in school is a goal of most students in my class.      | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | <input type="radio"/> Ⓒ | <input type="radio"/> Ⓓ |
| b. To keep up with my friends, I have to work hard at my schoolwork. | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | <input type="radio"/> Ⓒ | <input type="radio"/> Ⓓ |

ID110146

ID110147

