









Afterschool Universe BEFORE-Program Student Questionnaire

For each statement below, please fill in the bubble 'O' under the picture that best shows how much that statement describes you. Each picture has words underneath to help you decide...

				
How much does each of the following statements describe YOU?	Does not describe me at all	Describes me somewhat	Describes me a lot	Describes me exactly
1. I watch TV shows about science...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. I read about science on the Internet or in books, magazines or newspaper articles...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. I visit science museums or planetariums...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. I want to learn more about the stars and the galaxies...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. I am going to take more science courses in middle and high school...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. I am going to go to college...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. I am going to study science in college...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. I want to have a job or career that uses science...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. I want to become a scientist...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

For each statement below, please fill in the bubble 'O' under the picture that best shows how much you agree or don't agree. Each picture has words underneath to help you decide...

				
How much do you agree or don't agree with each of the following?	Really Don't Agree	Don't Agree	Agree	Really Agree
10. Science is helpful in understanding today's world...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11. It is important for my future that I learn science...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. I like doing science experiments...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13. Science is boring to me...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14. Science is one of my favorite subjects...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15. Working with science upsets me...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16. Science is something that I feel I can do well...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17. Scientists are people similar to me...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18. I feel nervous when trying to understand science...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19. Science is easy for me...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20. I am excited about the Afterschool Universe program that we are about to do...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

21. I am a: Female Male

22. I am in: 6th grade 7th grade 8th grade Other _____

Please turn the paper over to complete the questionnaire →

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23. **Number** each of the objects below from '1' through '5' where '1' is the closest to the Earth and '5' is the farthest from the Earth.

- ____ North Star
- ____ Moon
- ____ Sun
- ____ Whirlpool Galaxy
- ____ Hubble Space Telescope

For each question below, circle the letter in front of the 'correct' answer

24. Our Sun is a...

- a. Star
- b. Planet
- c. Galaxy
- d. Moon

25. If a light beam left the Whirlpool Galaxy today, when would we see it on Earth?

- a. Immediately
- b. It would take a few minutes to get here.
- c. It would take thousands of years to get here.
- d. It would never get here.

26. How do scientists find out what a star is made of?

- a. We send probes to take samples of the star.
- b. We study the light coming from the star.
- c. We use a computer model to make predictions.
- d. We go there in person.

27. Why can't our eyes see all types of light (like infra-red and X-ray)?

- a. Some types of light have to be heard, not seen.
- b. Our eyes are not sensitive to all types of light.
- c. Our eyes can see all types, but our brains cannot understand some of the types of light we are seeing.
- d. The Earth's atmosphere only lets in one type of light.

28. Where are elements created—elements like the oxygen we breathe, the carbon in our bodies and the iron in our blood?

- a. When meteorites hit the Earth
- b. In the core of the Earth
- c. Inside really big stars
- d. In a laboratory

29. At the end of its life, what will happen to our Sun?

- a. It will do nothing and stay just as it is forever.
- b. It will become a black hole.
- c. It will blow up as a supernova!
- d. It will become a white dwarf.

30. Imagine there is a black hole on the other side of our Galaxy. How would we on Earth be affected?

- a. The Earth would immediately be sucked into the black hole.
- b. The Earth would be slowly pulled toward the black hole.
- c. Nothing would happen.
- d. The Earth would be pushed out of orbit and just float around in space.