

Name: \_\_\_\_\_

Period: \_\_\_\_\_ #: \_\_\_\_\_

### Journey to the Edge of the Universe

<https://www.youtube.com/watch?v=bVQpwxgMQCg>

1. Why can Neil Armstrong's footprints still be seen on the moon?
2. Which planet is known as the morning star and the evening star?
3. What is Mercury mostly made of?
4. How many Earths can fit inside the sun?
5. How hot is the surface of the sun?
6. The sun is hot enough to transform millions of tons of matter into energy how often?
7. What forces from the sun erupt in giant molten gas loops?
8. What causes a comet's tail?
9. Since there is wind on Mars, what else must there be?
10. What is wrong with the air on Mars?
11. Even though there is water on Mars, why can't it be used?
12. The Mars rover is finding evidence that barren planets were once what?
13. Gravity from Jupiter is doing what to the asteroids?
14. How long has Jupiter's great red spot been storming for?

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15. What might be causing the ice on Europa to melt?

16. Where might we move if the Earth gets too hot for us?

17. What will Neptune's gravity do to its moon Tritan?

18. How far from Earth is Voyager 1?

19. How far does light travel in a year?

20. How can we prove that planets exist even if we cannot see them?

21. Where was every atom in our bodies produced?

22. What is so intense in a black hole that light cannot even escape?

23. Why do we think dark matter exists?

24. Where and when was the gold on earth formed?

25. How far away is the edge of the universe?

26. Explain why we are looking back in time when we look at objects farther away from Earth.