

# JOURNEY TO THE EDGE OF THE UNIVERSE

## VIDEO EVIDENCE NOTEBOOK

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

1. How long does it take to get to the moon by space ship?
2. What is the approximate temperature at the Sun's core?
3. What will happen to our Sun once it dies?
4. Mercury is mostly composed of \_\_\_\_\_.
5. What is the approximate distance between the Moon and Earth?
6. How many years does it take Sedna to complete an orbit?
7. Which planet or moon in our solar system is most likely to have life on it?
8. Which planet was the inspiration for the goddess of love?
9. When was Sedna discovered?
10. Quasars are powered by \_\_\_\_\_.
11. Which planet in our solar system is the brightest planet due to its sulfuric acid clouds?
12. What keeps our solar system together?
13. Which planet in our solar system can fit all of the other planets inside of it?
14. What moon is being ripped apart by Neptune?
15. What is the reasoning behind the naming of "dark matter"?
16. Where is Olympus Mons?
17. How many astronauts have walked on the Moon?
18. How fast can Neptune's winds reach in kilometers per hour?
19. A hypernova is \_\_\_\_\_ times more powerful than a supernova.
20. \_\_\_\_\_, is a space probe that landed on Mercury.
21. How far does light travel in one year?
22. The ring of Saturn is likely made of \_\_\_\_\_.
23. \_\_\_\_\_ are made of extremely dense material. One teaspoon would weigh one-ton.
24. How old is the universe estimated to be?
25. Which artificial satellite is headed out of our solar system to collect data?
26. What is the most powerful phenomena that we have observed in the universe?
27. How much longer until our Sun dies (turns into a small cold star)?
28. What are black holes?
29. Titan might be able to support life if it was \_\_\_\_\_.
30. Which planet has about the same gravity and size of Earth?
31. \_\_\_\_\_ was sent to Mars for observations and to check if there was water (lakes) on Mars.