

The Universe. Season 1

The Moon

1. How many moons populate our solar system?
2. Neptune has _____ moons.
3. Saturn has _____ moons.
4. Jupiter has _____ moons.
5. Earth has only _____ moon.
6. The moon is only _____ the size of Earth.
7. How far away is the Earth from the moon?
8. How long does it take to get to the moon from Earth?
9. It takes how long for the moon to complete one rotation on its axis?
10. Why are you unable to hear sound on the moon?
11. The sky is always black, not blue in color like on Earth. Why?
12. The temperature goes from _____ during the day to _____ at night.
13. What is the effect of the micrometeorites that have pummeled the moon?
14. What are the dark areas of the moon called?
15. How were they produced?
16. Why is the surface of the moon static, while it is not on Earth?
17. What is the difference between the lunar and solar calendar?
18. Why does the moon cause tides on Earth?
19. There are _____ high tides everyday?
20. The most extreme tidal range occurs at Bay of Fundy. What is the range from high to low tide?
21. What effect does the moon play on Earth's axis tilt?
22. In 455 BCE, what was the theory of how the moon came to being?
23. 1873, Edward Roche thought the moon was created how?
24. How does the amount of Iron content disqualify this theory?
25. Does the moon have an Iron core?
26. In 1878 George Darwin, Charles Darwin's son came up with a theory of the formation of the moon. What was the name of it?
27. The Apollo astronauts left mirror on the moon. How are these used to show the change in distance between Earth and moon/
28. Who was Thomas Jefferson Jackson See?
29. What was his theory?
30. Why was his theory not too probable?
31. The name of the area that the Apollo 11 astronauts landed is called The Sea of _____.
32. Apollo brought back what from the moon.
33. What is the type of rock on the moon?
34. What does the rocks from the moon tell about the moon long ago?
35. In 1974 there was another theory of the moon's formation. What was its name?
36. Describe The Giant Impact Theory.
37. Describe how this theory explains how the earth got its Fe core.
38. In 1984 one of these theories was being called the Default Theory. Which one was it? Why?