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?

1. **How does the amount of Iron content disqualify this theory?**
2. **Does the moon have an Iron core?**
3. **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?**
4. **The Apollo astronauts left mirror on the moon. How are these used to show the change in distance between Earth and moon/**
5. **Who was Thomas Jefferson Jackson See?**
6. **What was his theory?**
7. **Why was his theory not too probable?**
8. **The name of the area that the Apollo 11 astronauts landed is called The Sea of**

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1. **Apollo brought back what from the moon.**
2. **What is the type of rock on the moon?**
3. **What does the rocks from the moon tell about the moon long ago?**
4. **In 1974 there was another theory of the moon’s formation. What was its name?**
5. **Describe The Giant Impact Theory.**
6. **Describe how this theory explains how the earth got its Fe core.**
7. **In 1984 one of these theories was being called the Default Theory. Which one was it? Why?**