***If We Had No Moon***  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_# \_\_\_\_\_\_

Astronomy Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Per. \_\_\_\_\_\_\_

1. How big is the moon compared to the earth?
2. What are two of the theories of the formation of the earth-moon system?
	1.
3. What is the moon a record of?
4. What is Orpheus?
5. How can they test the theory of planetary collision?
6. What causes the Moon to retreat and slows the spin of the Earth?
7. Will we always be able to see a total eclipse of the sun? Why or why not?
8. The moon is moving away from the Earth at a rate of about \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ a year.
9. What would the Earth’s wobble be like if we had no moon?
10. What would the climate be like if we lose the moon?
11. What role did the formation of the moon play in the formation of life on Earth?
12. List at least 3 things that would happen on Earth if we lost our moon.
	1.
	2.
13. What are some ways that the moon affects the ocean and the animals within it?
14. What discovery was made in Greenland?
15. How could the moon be used to send a mission to Mars?
16. What is Medusa according to the video?
17. Which of the moon formation theories is the most plausible? Why?