**The Universe – The Moon** *(This video can also be watched on Netflix Streaming)*

Answer the following questions on a separate sheet of paper. You do not need to answer them in complete sentences. Questions are spaced out with enough time for you to answer each (1-3 minutes apart).

1. How many moons are there in the solar system? What planets have them?

2. How long is a single day on the moon?

3. What color would the sky appear if you were on the Moon?

4. What is lunar regolith?

5. Why were the flat spots on the Moon called Maria (pronounced Mar-E-a)

6. What caused the mountains on the Moon

7. How many days are there per month in a lunar calendar?

8. How does the moon cause the tides?

9. How does the Moon help create the conditions necessary for life on Earth?

10. Who was the first person to look at the Moon with a telescope?

11. In 1873, Edward Rouche hypothesized that the Earth was formed from what?

12. Why is Rouche’s theory wrong?

13. How much is the Moon moving away from the Earth?

14. Darwin believed that as the Moon and Earth were closer together, what happened to their speed?

15. What was the Capture Theory?

16. What is the flaw in the Capture Theory?

17. What type of rocks were found on the moon?

18. What does the oxygen isotope ratio tell us about the Moon?

19. In 1972, a computer model was used to simulate how the solar system formed. The simulation showed that the Earth formed very close to a planet the size of which current planet?

20. What is the Giant Impact Theory?

21. What happened to the “inner clump” that was left after the collision?

22. How long did it take for the Earth to resume its spherical shape after the giant impact?

23. Why might we want to revisit the Moon?

24. Should our government spend the money to revisit the Moon? Why/why not?