Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_ Ast: \_\_\_\_\_

**Moon Video Questions**

Moon Mysteries - <https://www.youtube.com/watch?v=0tqgWuSIZUg>

1. How many humans have ever walked on the Moon (3:50)?
2. What element do Moon rocks have far less of than Earth Rocks (4:08)?
3. What do scientists call the process of small things bumping into each other becoming larger, which explain the formation of the Moon and Earth (8:40)?
4. How fast is the Moon moving away from Earth (10:03)?
5. In the early days after the formation of the Moon, how fast does Earth rotate (*spin*) (10:45)?
6. At the time of its birth, how much closer was the Moons orbit of Earth compared to today (12:03)?
7. What would happen if Earth’s rotational axis was not tilted (*instead of a vertical axis* *like the planet, Mercury*) as a result of the collision that created our Moon (13:28)?
8. Where is the only place in the universe that scientists can go to learn about the origin of life on Earth (23:45)?
9. How much higher do scientists believe ocean tides were when the Moon first formed than they are today (26:02)?
10. What caused the Earth to spin slower, lengthening a day from 6 to 24 hours (29:40)?
11. Today, what would exert the same upward gravitational pull on you as the Moon (32:43)?
12. What do some scientists believe can often trigger earthquakes, an idea that is controversial in the scientific community (43:33)?