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**Moon Video Questions**

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

1. How many humans have ever walked on the Moon (3:50)? 12
2. What element do Moon rocks have far less of than Earth Rocks (4:08)? Iron
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)? Accretion
4. How fast is the Moon moving away from Earth (10:03)? About 1.5 inches per year
5. In the early days after the formation of the Moon, how fast does Earth rotate (*spin*) (10:45)? Once every 6 hours
6. At the time of its birth, how much closer was the Moons orbit of Earth compared to today (12:03)? About 15 times closer
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)? Seasons would not exist
8. Where is the only place in the universe that scientists can go to learn about the origin of life on Earth (23:45)? The Moon
9. How much higher do scientists believe ocean tides were when the Moon first formed than they are today (26:02)? About 1000 times higher
10. What caused the Earth to spin slower, lengthening a day from 6 to 24 hours (29:40)? The massive tides created by the Moon’s gravity
11. Today, what would exert the same upward gravitational pull on you as the Moon (32:43)? A pea held about 20 inches above your head
12. What do some scientists believe can often trigger earthquakes (43:33)? The lining up of the Sun, Moon, and Earth, such as in a solar eclipse