





How Well Do You Know the Moon?

1. What is the primary reason the same side of the moon always faces Earth?
 - ☐ The moon doesn't rotate at all
 - ☐ Earth's magnetic field has locked the moon in place
 - ☐ Earth's gravity has caused the moon's rotation and its orbit around us to sync up
 - ☐ The moon's core is magnetic and aligns itself with Earth

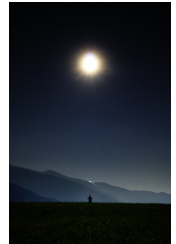
 2. Approximately how far away from Earth does the moon orbit on average?
 - ☐ 38,000 kilometers
 - ☐ 384,399 kilometers
 - ☐ 3,800,000 kilometers
 - ☐ 38,000,000 kilometers
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3. Compared to Earth's gravity, what is the moon's surface gravity approximately?
 - ☐ One-tenth
 - ☐ One-sixth
 - ☐ One-half
 - ☐ The same
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4. What is the widely accepted scientific theory for how the moon formed?
 - ☐ It was captured by Earth's gravity
 - ☐ Earth and the moon formed simultaneously from the same cloud of gas and dust
 - ☐ The moon broke off from a rapidly spinning early Earth
 - ☐ A giant impact occurred between Earth and a Mars-sized body called Theia

5. Does the moon have an atmosphere?

- ☐ Yes, a thick atmosphere, much like Earth's
- ☐ Yes, a thin atmosphere, primarily composed of nitrogen
- ☐ Yes, a very, very thin exosphere, which is almost a complete vacuum
- ☐ No atmosphere whatsoever

6. What is the term for the large, dark plains on the near side of the moon?

- ☐ Highlands
- ☐ Craters
- ☐ Maria
- ☐ Rills



7. What is the name of the largest known impact crater on the moon and the second largest confirmed in our entire solar system?

- ☐ Mare Imbrium
- ☐ Tycho Crater
- ☐ South Pole-Aitken Basin
- ☐ Mare Tranquillitatis



8. Evidence suggests the presence of water in what form on the moon?

- ☐ Vast underground oceans
- ☐ Liquid water flowing on the surface
- ☐ Water ice in permanently shadowed craters at the poles and water molecules bound in minerals
- ☐ Water vapor throughout its atmosphere

9. How does the moon primarily influence the Earth?

- ☐ By causing earthquakes
- ☐ By influencing Earth's weather patterns
- ☐ By being the main driver of Earth's tides
- ☐ By stabilizing Earth's magnetic field

10. What is a supermoon?

- ☐ A full moon that appears blue in color
- ☐ A full moon that occurs during a lunar eclipse
- ☐ A full moon that appears larger and brighter because it is closer to Earth and its orbit at its perigee
- ☐ A full moon that is visible for two consecutive nights