

Name _____

Moon Marvels: Our Closest Celestial Companion

Multiple Choice Questions

1. What is the primary factor that causes moons to exhibit synchronous rotation?
 - a) Gravitational attraction from the sun
 - b) Their irregular shapes
 - c) The time it takes to complete one orbit
 - d) Volcanic activity

2. Which of the following is NOT a role played by moons in our solar system?
 - a) Stabilizing planetary orbits
 - b) Marking hours and minutes
 - c) Creating gravitational tides
 - d) Serving as destinations for space missions

3. What is the most distinguishing characteristic of Earth's moon?
 - a) Its intense volcanic activity
 - b) Synchronous rotation
 - c) Irregular shape
 - d) Small size

4. What astronomical phenomenon is associated with moon phases?
 - a) Solar eclipses
 - b) Tidal waves
 - c) Planetary alignments
 - d) Changing positions of the moon, Earth, and the sun

5. How do moons contribute to the stability of their parent bodies?
 - a) By causing earthquakes
 - b) By creating magnetic fields
 - c) By stabilizing planetary orbits
 - d) By generating heat through volcanic activity

