

Name _____

Moons and Planets: Exploring the Universe's Cosmic Partnerships

Short Answer

1. Name two planets in our solar system that do not have any moons and provide a brief description of each.
2. Describe the role of moons in the dynamics of planetary systems, using Earth and Mars as examples.
3. Explain how gas giant planets like Jupiter and Saturn can have significantly more moons than terrestrial planets like Earth.
4. What are some methods astronomers use to detect exoplanets, and why is it challenging to discover their moons?
5. Is it possible for a planet to have more than one moon, and if so, how might these moons interact with each other?

