

Name _____

Moon's Gravity: A Tug-of-War With Earth

Open-Ended Response Questions

1. Gravity plays a crucial role in the universe, affecting not only the Moon and Earth but all celestial bodies. Explain the concept of gravity and its universal significance, providing examples from our solar system.
2. Imagine a scenario in which you are an astronaut traveling to Mars. Discuss how the differences in gravitational pull between Mars and Earth would impact your daily life, physical health, and ability to perform tasks. What challenges might you encounter?
3. The Moon's weaker gravity allows astronauts to perform unique activities such as moonwalking. Describe the experience of moonwalking, its challenges, and its scientific value in understanding celestial bodies.
4. Space agencies like NASA conduct experiments on the Moon to study its geological features and cosmic phenomena. Choose one scientific experiment or mission conducted on the Moon, and explain its objectives, significance, and the knowledge gained from it.

