

Name _____

The Mysteries of Gravity

Short Answer

1. Explain the concept of gravitational acceleration and how it affects objects near Earth's surface.
2. Describe how gravity plays a role in the motion of the Moon around the Earth.
3. Why is escape velocity important for space exploration, and how does it vary on different celestial bodies?
4. What are black holes, and why are they described as having extremely strong gravitational pull?
5. How does the strength of gravity on Mars compare to that on Earth, and how might this affect space exploration on Mars?

