

Name \_\_\_\_\_

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

### Short Answer

1. Define gravity and its role in keeping objects grounded on Earth.
2. Explain how the Moon's gravitational pull compares to Earth's, and why you would weigh less on the Moon.
3. Describe how astronauts on the Moon experience the effects of its weaker gravity in their movements.
4. Why is it important for astronauts to adapt to different gravitational environments during space exploration, and how do they prepare for these challenges?
5. Imagine you are an astronaut on the Moon. What activities or experiments could you perform to learn more about the Moon's gravity and its effects on various objects?

