

Name \_\_\_\_\_

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

### Multiple Choice Questions

1. What is gravity?
  - a) An invisible force pulling objects toward each other
  - b) The weight of an object
  - c) A measure of an object's mass
  - d) The force pushing objects apart
  
2. How does the Moon's gravitational pull compare to Earth's?
  - a) The Moon's gravity is stronger than Earth's.
  - b) The Moon's gravity is about the same as Earth's.
  - c) The Moon's gravity is weaker than Earth's.
  - d) The Moon has no gravity.
  
3. Why do astronauts weigh less on the Moon than on Earth?
  - a) Because they are farther from the Sun
  - b) Because the Moon's surface is made of lighter materials
  - c) Because the Moon's gravity is weaker
  - d) Because they are wearing spacesuits
  
4. How does the Moon's weaker gravity affect the movements of astronauts on its surface?
  - a) It makes them move slower.
  - b) It makes them feel heavier.
  - c) It allows them to leap higher and move more easily.
  - d) It has no effect on their movements.
  
5. Why is understanding gravity essential for space exploration?
  - a) To calculate the speed of rockets
  - b) To determine the distance between planets
  - c) To adapt to different gravitational environments on celestial bodies
  - d) To study the stars and galaxies

