

Name \_\_\_\_\_

## Gravity Gauge: Measuring the Force on Different Planets

### Multiple Choice Questions

1. How does a gravimeter measure the strength of gravity?
  - a) By calculating the weight of objects
  - b) By measuring the speed at which objects fall
  - c) By counting the number of objects on a planet
  - d) By analyzing the color of the sky
  
2. Why do scientists calibrate a gravimeter before using it on another planet?
  - a) To adjust the device's color settings
  - b) To ensure the device is not too heavy
  - c) To make sure it is functioning correctly
  - d) To charge its batteries
  
3. On which planet is gravity the strongest in our solar system?
  - a) Earth
  - b) Moon
  - c) Mars
  - d) Jupiter
  
4. If an object falls slowly when using a gravimeter, what does it indicate about the planet's gravity?
  - a) The gravity is weak.
  - b) The gravity is strong.
  - c) The object is too heavy.
  - d) The gravimeter is malfunctioning.
  
5. Which planet has gravity that is in between that of the Moon and Earth?
  - a) Venus
  - b) Mars
  - c) Saturn
  - d) Mercury

