

Name _____

The Mystery of Falling Objects: What Causes Things to Drop to Earth?

Short Answer Key

1. Mass is the amount of matter in an object, while weight is the force of gravity acting on that object's mass.
2. As objects move farther apart, the strength of gravity between them decreases.
3. Objects fall towards the Earth because gravity is constantly pulling them toward the Earth's center, causing them to accelerate downward.
4. An everyday example of gravity's effects is when you drop a pencil, and it falls to the ground due to the Earth's gravity.
5. An object weighs less on the Moon compared to Earth because the Moon has less mass and, therefore, weaker gravity.

