



Gravity

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A ball dropped from 2 meters and another from 4 meters both fall freely. Which hits the ground first?

- A) The 2-meter ball lands first
- B) The 4-meter ball lands first
- C) Both land at the same time
- D) Neither ball lands at all

2. A student throws a ball straight up. What happens to its speed on the way up?

- A) It speeds up because of gravity
- B) It slows down because gravity pulls down
- C) It keeps the same speed forever
- D) It stops moving immediately

3. A projectile is thrown sideways from a cliff. What shape does its path make?

- A) A perfectly straight line
- B) A circle that loops back
- C) A curved arc downward
- D) A zigzag line in the air

4. Two balls of different masses are dropped together in a vacuum. Which lands first?

- A) The heavier ball lands first
- B) The lighter ball lands first
- C) They land at the same time
- D) Neither ball ever lands

Part B: Fill in the Blank

Write the correct answer on each line.

1. When a ball is thrown straight up, gravity makes it _____ down on the way up.
2. A projectile thrown sideways follows a curved path called a _____.
3. The horizontal speed of a projectile stays nearly constant because gravity acts only _____.
4. Without air, a feather and a hammer dropped together hit the ground at the _____ time.
5. A ball dropped from a higher point hits the ground with a _____ speed than one from lower.

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Part B: Fill in the Blank

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1. When a ball is thrown straight up, gravity makes it slow down on the way up.
2. A projectile thrown sideways follows a curved path called a parabola.
3. The horizontal speed of a projectile stays nearly constant because gravity acts only downward.
4. Without air, a feather and a hammer dropped together hit the ground at the same time.
5. A ball dropped from a higher point hits the ground with a greater speed than one from lower.