



Gravity

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Gravity pushes objects up and away from the Earth all the time.

Rewrite: _____

2. Fix the sentence: Astronauts float in space because there is no air to hold them.

Rewrite: _____

3. Fix the sentence: Your weight is the amount of matter that is inside of your body.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. The force that pulls a ball back down after you toss it up is called _____ .
2. Gravity pulls every object that has _____ toward the center of the Earth.
3. When you stand on a scale, the number you see is your _____ .
4. Without gravity, people and objects would _____ instead of staying on the ground.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain in your own words what gravity does to objects on Earth.

2. Why do we feel heavier on Earth than astronauts feel inside the space station?

Answer Key · Gravity · Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Gravity pushes objects up and away from the Earth all the time.

Rewrite: Gravity pulls objects down toward the Earth all the time.

2. Fix the sentence: Astronauts float in space because there is no air to hold them.

Rewrite: Astronauts float in space because the pull of gravity feels very weak there.

3. Fix the sentence: Your weight is the amount of matter that is inside of your body.

Rewrite: Your weight is the pull of gravity acting on your body.

Part B: Fill in the Blank

Write the missing word or number on each line.

- The force that pulls a ball back down after you toss it up is called gravity .
- Gravity pulls every object that has mass toward the center of the Earth.
- When you stand on a scale, the number you see is your weight .
- Without gravity, people and objects would float instead of staying on the ground.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain in your own words what gravity does to objects on Earth.

Gravity is a pulling force that pulls every object with mass toward the center of the Earth, which is why things fall down when we drop them and why we stay on the ground.

2. Why do we feel heavier on Earth than astronauts feel inside the space station?

On Earth, gravity pulls strongly on our bodies, and that pull is what we feel as our weight; in the space station, the pull of gravity does not press astronauts onto a floor, so they float and feel weightless.
