



Gravity

Name: _____

Date: _____

Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. The amount of matter that an object contains is called its _____ .
2. The pull of gravity on an object is measured as its _____ .
3. If you travel to the Moon, your mass stays the _____ as on Earth.
4. On the Moon, your weight is much _____ than your weight on Earth.
5. Mass is measured in grams or _____ .
6. Weight is measured in units of force called _____ .
7. The Moon's gravity is about one _____ as strong as Earth's gravity.
8. Two students with different masses still feel the same force of gravity per _____ of their mass.
9. Even a tiny pebble has mass, so gravity still pulls on the _____ .

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Mass	→ _____	Stays the same in both places
Weight	→ _____	Is much less on the Moon
Mass on the Moon vs Earth	→ _____	Is the amount of matter in an object
Weight on the Moon vs Earth	→ _____	Is the pull of gravity on an object

Answer Key · Gravity · Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. The amount of matter that an object contains is called its mass .
2. The pull of gravity on an object is measured as its weight .
3. If you travel to the Moon, your mass stays the same as on Earth.
4. On the Moon, your weight is much less than your weight on Earth.
5. Mass is measured in grams or kilograms .
6. Weight is measured in units of force called newtons .
7. The Moon's gravity is about one sixth as strong as Earth's gravity.
8. Two students with different masses still feel the same force of gravity per kilogram of their mass.
9. Even a tiny pebble has mass, so gravity still pulls on the pebble .

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Mass	→ <u>Is the amount of matter in an object</u>	Stays the same in both places
Weight	→ <u>Is the pull of gravity on an object</u>	Is much less on the Moon
Mass on the Moon vs Earth	→ <u>Stays the same in both places</u>	Is the amount of matter in an object
Weight on the Moon vs Earth	→ <u>Is much less on the Moon</u>	Is the pull of gravity on an object