



Properties of Matter

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: Flammability is a physical property because you can see a material catch fire.

Rewrite: _____

2. Fix the sentence: The color of a rock is a chemical property because you must test it in a lab.

Rewrite: _____

3. Fix the sentence: Density is a chemical property because you need to measure both mass and volume.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A physical property can be observed without changing the _____ of a substance.
2. The ability of a substance to rust when exposed to oxygen is a _____ property.
3. Mass, volume, and color are all examples of _____ properties.
4. A chemical property describes how a substance _____ with other substances.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Name two physical properties and two chemical properties of a piece of iron.

2. Why is boiling point considered a physical property and not a chemical property?

Answer Key · Properties of Matter · Grade: Grade 5

Part A: Fix the Sentence

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

1. Fix the sentence: Flammability is a physical property because you can see a material catch fire.

Rewrite: Flammability is a chemical property because the material changes into a new substance when it burns.

2. Fix the sentence: The color of a rock is a chemical property because you must test it in a lab.

Rewrite: The color of a rock is a physical property because you can observe it without changing the substance.

3. Fix the sentence: Density is a chemical property because you need to measure both mass and volume.

Rewrite: Density is a physical property because measuring mass and volume does not change the substance.

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A physical property can be observed without changing the composition of a substance.
2. The ability of a substance to rust when exposed to oxygen is a chemical property.
3. Mass, volume, and color are all examples of physical properties.
4. A chemical property describes how a substance reacts with other substances.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Name two physical properties and two chemical properties of a piece of iron.

Two physical properties of iron are its silver color and its hardness. Two chemical properties are its ability to rust when exposed to moisture and its flammability at very high temperatures.

2. Why is boiling point considered a physical property and not a chemical property?

Boiling point is a physical property because when a liquid boils it changes state from liquid to gas but remains the same substance. No new substance is created so it is not a chemical change.
