

Physical vs. Chemical Changes 1: Choose the one best answer for each question.

1. Which example is a physical change?

- A) Burning paper B) Rusting iron
 C) Melting ice D) Cooking an egg

2. Which example is a chemical change?

- A) Breaking a glass B) Freezing water
 C) Tearing paper D) Burning wood

3. Which statement best describes a chemical change?

- A) A substance changes shape only B) A new substance is formed
 C) A substance changes size D) A substance melts or freezes

4. Which example shows a reversible physical change?

- A) Melting and refreezing water B) Burning a candle wick
 C) Rust forming on metal D) Baking a cake

5. Which of the following is evidence that a chemical change has occurred?

- A) A change in size only B) A new color and gas are produced
 C) A solid melts into liquid D) A substance changes shape

6. Which example is NOT a chemical change?

- A) Boiling water B) Rusting iron
 C) Burning fuel D) Cooking food

7. When sugar dissolves in water, what type of change occurs?

- A) Chemical change B) Physical change
 C) Nuclear change D) Permanent reaction

8. Which change cannot be easily reversed?

- A) Freezing water B) Melting butter
 C) Burning paper D) Crushing ice

9. Which example forms a new substance?

- A) Cutting wood B) Shredding paper
 C) Mixing sand and water D) Rusting metal

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