

Physical vs. Chemical Changes 2: Choose the one best answer for each question.

1. Which example is a chemical change?

- A) Crushing an aluminum can B) Mixing sand and salt
 C) Milk souring over time D) Freezing juice into ice pops

2. Which example is a physical change?

- A) Tarnishing silver B) Evaporating water from a puddle
 C) Digesting food D) Burning gasoline

3. Which observation suggests a chemical reaction has occurred?

- A) A solid changes shape B) A substance changes state
 C) A gas forms when substances are mixed D) A material is cut into pieces

4. Which example involves only a change of state?

- A) Baking soda reacting with vinegar B) Melting candle wax
 C) Rust forming on steel D) Bread molding

5. Which change shows clear evidence of new substance formation?

- A) Chopping wood B) Water boiling
 C) Bubbles forming during a reaction D) Ice melting

6. Which change is most likely irreversible?

- A) Condensing steam B) Crushing a soda can
 C) Rotting fruit D) Freezing juice

7. Which situation forms a new substance?

- A) Breaking chalk B) Heating sugar until it caramelizes
 C) Freezing soda D) Crushing ice cubes

8. Which example shows energy released during a chemical change?

- A) A glow stick giving off light B) A book falling
 C) Water freezing D) Sand pouring into a jar

9. Why is tearing cardboard considered a physical change?

- A) It produces heat B) It creates a new substance
 C) Only the size and shape change D) It forms gas bubbles

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