

Physical and Chemical Changes

Pre Test Questions

Name: _____ Period: _____ Date: _____

1. Which of the following is an example of physical change?
 - a. Mixing baking soda and vinegar together, and this causes bubbles and foam.
 - b. A glass cup falls from the counter and shatters on the ground.
 - c. Lighting a piece of paper on fire and the paper burns up and leaves ashes.
 - d. Baking a birthday cake for your mother.
2. Which of the following is an example of chemical change?
 - a. Filling up a balloon with hot air.
 - b. Taking a glass of water and freezing it by placing it in the freezer.
 - c. A plant collecting sunlight and turning it into food.
 - d. Your dog ripping up your homework.
3. Which change can be easily be reversed?
 - a. Chemical Change
 - b. Physical Change
 - c. Both a physical and chemical change
 - d. Neither a physical or chemical change
4. When a new substance is formed with different properties than the original substance it is called a
 - a. Chemical change
 - b. Physical change
 - c. Freezing
 - d. boiling
5. If the chemical properties of a substance remain unchanged and the appearance or shape of an substance changes it is called a
 - a. Chemical change
 - b. Physical change
 - c. Both a physical and chemical change
 - d. Neither a physical or chemical change

6. Which is an example of a physical change?
- Metal rusting
 - Silver tarnishing
 - Water boiling
 - Paper burning
7. What characteristic best describes what happen during a physical change?
- Composition changes
 - Composition stays the same
 - Form stays the same
 - Mass is lost
8. Which is an example of chemical change?
- Water freezes
 - Wood is cut
 - Bread is baked
 - Wire is bent
9. Which is not a clue that could indicate a chemical change?
- Change in color
 - Change in shape
 - Change in energy
 - Change in odor
10. What property stays the same during physical and chemical changes?
- Density
 - Shape
 - Mass
 - Arrangement of particle

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Pre-Test Answers

1. B
2. C
3. B
4. A
5. B
6. C
7. B
8. C
9. B
10. C