

Chemical Changes

Fill in the blanks.  Reading Skill: Cause and Effect - questions 3, 7, 10, 12, 14

What Are Physical and Chemical Changes?

1. In a(n) _____ change, matter changes in size, shape, or state without changing identity.
2. Chemical changes occur when _____ link together in new ways.
3. A change in matter that produces a new compound with different properties from the original is a(n) _____.
4. A chemical _____ is a chemical change of original substances into one or more new substances.
5. A(n) _____ is one of the original substances before a chemical change.
6. The new substances produced by a chemical reaction are called _____.
7. In the reaction between baking soda and vinegar, the baking soda and vinegar are the reactants, and _____, water, and sodium acetate are the products.

What Are the Signs of a Chemical Change?

8. Signs that a chemical change has occurred include:
 - a. a(n) _____ change,
 - b. formation of a(n) _____, and the formation of light and
 - c. _____.