

**Chemical Reactions** • Review and Reinforce

# Observing Chemical Change

## Understanding Main Ideas

Complete the following table. Describe changes in properties that you might notice during each process and state whether the changes are chemical or physical.

Changes in Matter		
Event	Observable Changes	Type of Change
Baking a cake	1. Liquid to dry	2. Chemical
Burning a log	3. Brown to black ashes	4. Chemical
Freezing water	5. Liquid to solid	6. Physical

**Chemical Reactions**

## Building Vocabulary

From the list below, choose the term that best completes each sentence.

- |                 |                      |
|-----------------|----------------------|
| matter          | physical change      |
| chemical change | endothermic reaction |
| chemistry       | exothermic reaction  |
| precipitate     |                      |

7. Any change that alters a substance without changing it into another substance is a(n) physical change.
8. matter is anything that has mass and takes up space.
9. A reaction that releases energy in the form of heat is called a(n) Exothermic reaction.
10. A(n) Endothermic reaction is a reaction in which energy is absorbed.
11. A chemical change is also referred to as a(n) chemical reaction.
12. A(n) precipitate is a solid formed from a solution during a chemical reaction.
13. Chemistry is the study of the properties of matter and how matter changes.