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.**	**2.**
Burning a log	**3.**	**4.**
Freezing water	**5.**	**6.**

Building Vocabulary

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

matter
chemical change
chemistry
precipitate
physical change
endothermic reaction
exothermic reaction

7. Any change that alters a substance without changing it into another substance is a(n) _____.

8. _____ is anything that has mass and takes up space.

9. A reaction that releases energy in the form of heat is called a(n) _____.

10. A(n) _____ is a reaction in which energy is absorbed.

11. A chemical reaction is also referred to as a(n) _____.

12. A(n) _____ is a solid formed from a solution during a chemical reaction.

13. _____ is the study of the properties of matter and how matter changes.

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