Name _____ Date _____ Class _____

SECTION 2 Reinforcement

Physical and Chemical Changes

Directions: *Complete the paragraphs using the terms listed below.*

liquid	**ice**	**color changes**	**energy**
different	**shape**	**appearance**	**gas**
gain	**solid**	**state**	**freezes**

Physical change involves changes in **1.** _____. A common physical change occurs when matter changes from one **2.** _____ to another, such as from a gas, to a **3.** _____ or a **4.** _____. One example of this kind of physical change takes place when water **5.** _____, changing from a liquid to a solid to form **6.** _____. One easy way to determine if a physical change has taken place is to note changes in **7.** _____ or size.

When a chemical change takes place, a substance is changed into a **8.** _____ substance. Two examples of chemical changes are fireworks explosions and **9.** _____ in leaves. A sign of a chemical change is the release or **10.** _____ of **11.** _____. Other signs of a chemical change are an odd odor or the formation of a **12.** _____ or a solid.

Directions: *List three changes that are physical changes. Do not include the examples listed above.*

13. a. _____
    b. _____
    c. _____

Directions: *List three changes that are chemical changes. Do not include the examples listed above.*

14. a. _____
    b. _____
    c. _____

Meeting Individual Needs

Name Date Class

Directed Reading for Content Mastery

Section 2 ▪ Physical and Chemical Changes

Directions: *Identify each process below as a chemical or physical change with a check (✓) in the correct column.*

Chemical Change	Physical Change	
_____	_____	**1.** weathering
_____	_____	**2.** food digesting in your body
_____	_____	**3.** burning match
_____	_____	**4.** melting ice
_____	_____	**5.** copper penny turning dark
_____	_____	**6.** color changing in leaves
_____	_____	**7.** rusting car
_____	_____	**8.** boiling water
_____	_____	**9.** rotting fruit
_____	_____	**10.** breaking a plate
_____	_____	**11.** cutting paper

Directions: *Answer the following questions on the lines provided.*

12. Explain the difference between a physical and a chemical change.

_____

_____

_____

13. If you could contain the gases released by a burning candle and measure them, you would see that the candle's mass remains the same as before it was lit. What law does this example describe?

_____

_____

Meeting Individual Needs