NAME	DATE	CLASS	
STUDY GUIDE		Chapter 15	
<b>Describing Mat</b>	tter		
Complete the following by file	ling in each blank with the correct term.		
Scientists try to explain h	ow changes in substances take place. By	applying energy, you can tear a sheet of paper into	
pieces and cause a(n)		in the paper. If you place a balloon filled	
with air into the refrigerator,	the balloon will get smaller.		
The balloon undergoes a(n) _		. On a hot summer day, water	
vapor will condense into water	er droplets on the outside of a glass of ice	d tea. The glass of iced tea is a(n)	

than that of liquid water. Therefore, ice floats on the tea. The melting point of ice is 0°C. This temperature is also the

of the ice in iced tea is a(n) \_\_\_\_\_

When a candle burns, physical and \_\_\_\_\_ changes take place. The

The mass of all substances before a chemical change \_\_\_\_\_

the mass of all substances after a chemical change.

freezing point of liquid water. Water is a clear, colorless \_\_\_\_\_\_ at room temperature. The

words *clear* and *colorless* describe two \_\_\_\_\_\_ of water. The melting

In comparison, a(n) \_\_\_\_\_\_ produces new substances.

of the wax is a physical change. The melted wax is now in the liquid state. However,

when burning occurs, a(n) \_\_\_\_\_\_ takes place. The melted wax, as it

burns, combines with gaseous oxygen in air. After the chemical change, water vapor and carbon dioxide gas are formed.

of sugar, tea, lemon, and water. Ice is water in the solid state. The density of ice is less

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REINFORCEMENT Chapter 1:					
D	escribing Matter				
Bel	ALOGIES low are two sets of words. Completed rds must be related in the same way	· · · · · · · · · · · · · · · · · · ·	a word from those listed bel	ow the blank. The two	
EX Let	AMPLE tter: envelope:: pillow: [case] e, sheet, soft, bed				
1.	steam:water: :water:heat, molecules, ice, matter		-		
2.	solid:melting::liquid:condensing, heating, mixing, vapo	orizing	_		
3.	physical:chemical::size: burning, taste, solubility, acid				
4.	liquid:vaporizing::solid:melting, freezing, decomposing, e	vaporating			
5.	iron:rust::silver: reaction, oxygen, tarnish, water				
6.	chemical:rust::physical:compound, condensation, solid, cl	hange			
7.	element:compound::oxygen: water, hydrogen, matter, mixture				

8. compound:mixture::chemical:

vaporization, physical property, copper, mixture

physical, separation, property, gas

carbon dioxide, graphite, coal, gas

11. burning:candle:corrosion:

9. hydrogen:water::carbon: \_\_\_\_\_

10. solid:steel::gaseous: \_\_\_\_ coal, air, water, gasoline