Name _

Chapter 2 Properties of Matter

Section 2.3 Chemical Properties (pages 54–58)

This section discusses chemical properties and describes clues that may show that a chemical change has taken place.

Reading Strategy (page 54)

Relating Text and Visuals As you read, complete the table by finding examples of the clues for recognizing chemical changes in Figures 19 and 20. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

Recognizing Chemical Changes				
Clue	Example			
Change in color				
Production of gas				
Formation of precipitate				

Observing Chemical Properties (pages 54–55)

- 1. Is the following sentence true or false? The substances in paraffin do not change when a candle burns. _____
- **2.** Circle the letters of the compounds formed when a candle burns.
 - a. paraffin
 - b. hydrogen
 - c. water
 - d. carbon
- 3. What is a chemical property? _____
- **4.** Is the following sentence true or false? Flammability is a material's ability to burn in the presence of carbon dioxide. ______
- **5.** The property that describes how readily a substance combines chemically with other substances is ______.
- 6. Circle the letter of each property that is a chemical property.
 - a. hardness b. density
 - c. flammability d. reactivity
- 7. Is the following sentence true or false? Nitrogen is a more reactive element than oxygen. _____

Name		Class	8	Date
Chapter 2 Pro	operties of Mat	ter		
8. Why isn't in	on used to mak	ke coins?		
9. What is the steel tanks?	benefit of pum	ping nitrogei	n gas into seaw	rater that is stored in
Recognizing	g Chemical	Changes	6 (pages 56–57))
10. A(n)				stance reacts
	ne or more nev			
11. What are the	*		0	
c. the prod d. the form	e in color apping particle uction of a gas ation of a solid	es precipitate		ıl change.
Match each exam		-		
Example 13. Lemo addeo		-	uction of a gas ation of a precipitate	
expos	ens when sed to air.	c. a chang	1	ipitate
	gar is mixed baking soda.			
Is a Change	e Chemical	or Physic	cal? (page 58)	
 Is the follow it turns red, taken place. 	the color chang			
17. When matter _	er undergoes a	chemical cha 	nge, the compo	osition of
18. When matter the matter _	er undergoes a	chemical cha	nge, the compo	osition of
19. Complete th	ne following tal	ole about che	mical changes.	
	Che	mical Changes		
Type of Change	Are New Substa	nces Formed?	Example	

Chemical Physical