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	Copper roof changing color from red to green when exposed to moist air	
Production of gas	Formation of carbon dioxide gas when vinegar is added to baking soda	
Formation Formation of cottage cheese curds when acid is added to milk.		

Observing Chemical Properties (pages 54–55)

- a. paraffin
- b. water
- c. carbon

2.	What is a chemical property?	A chemical property is any property that produces
	a change in the composition of matte	r.

3. Is the following sentence true or false? Flammability is a material's

		0	<i>j</i>	
	ability to burn	in the presence o	f carbon dioxide	false
4.			readily a substance comment. Circle to	
				ne correct ariswer.
	reactivity	maileability	conductivity	

- **5.** Circle the letter of each property that is a chemical property.
 - a. hardness
 - b. density
 - c. flammability

Name	Class	Date
Chapter 2 Properties of Matte	er	
 Recognizing Chemical Content on the or more new substant distillation physical Content on the letters of example (a.) a change in color b. a filter trapping particular (c.) the production of a garage 	ange occurs when a sonces. Circle the correctal chemical aples of evidence for soles	substance reacts and forms et answer.
Match each example to evidence	,	
Example B. Lemon juice is added to milk. C. 9. A silver bracelet darkens when exposed to air. a. 10. Vinegar is mixed with baking soda.	chemical Change a. the production of b. the formation of c. a change in color	a precipitate
Is a Change Chemical of	or Physical? (page 5	58)
11. Is the following sentence red, the color change sho	true or false? When	iron is heated until it turns
false		
12. During a chemical chang but during a physical change		

false		
12. During a chemical change the composition of matter	changes	

stays the same

13. Complete the following table about chemical changes.

Chemical Changes		
Type of Change	Are New Substances Formed?	Example
Chemical	Yes	Iron rusting
Physical	No	Sugar dissolving in water