Name _	Class	Date

Skills Worksheet

## **Directed Reading A**

Section:	Chemical	<b>Properties</b>
CHEMICAL	<b>PROPERTIES</b>	S

O L	IOAL I NOI ENTILO		
a	<ol> <li>The property of matter that describ matter with different properties is I a. chemical change.</li> <li>b. physical change.</li> </ol>		
<u>a</u>	<ul><li>2. The chemical property that describ substances to combine to form new a. reactivity.</li><li>b. flammability.</li></ul>		
b	<ul><li>3. The ability of a substance to burn i a. reactivity.</li><li>b. flammability.</li></ul>	s a chemical property known as c. density. d. solubility.	
<u> </u>	<ul><li>4. An iron nail is reactive with</li><li>a. rubbing alcohol.</li><li>b. other iron nails.</li><li>c. wood in a house.</li><li>d. oxygen in the air.</li></ul>		
b	<ul> <li>5. Which of the following statements is true about characteristic properties of matter?</li> <li>a. Characteristic properties depend on the size of the sample.</li> <li>b. Characteristic properties may be either physical or chemical properties.</li> <li>c. Characteristic properties involve only chemical properties.</li> <li>d. Characteristic properties involve only the physical nature of the matter.</li> </ul>		
6. Des	scribe the ways that burning changes th	e nature of wood.	
Whe	en wood is burned, ash and smoke are made.		
	substance always haschemical  y are difficult to observe.	properties, even though	

characteristic properties

8. Scientists use \_

classify matter.

\_ properties to help them identify and

Name	Cl	ass	Date
Directed Re	ading A <i>continued</i>		
CHEMICAL C	CHANGES AND NEW S	UBSTANCES	
a. b. c.	emical changes are the p move from place to plac change into new substan change in their physical become greater in mass.	e. ces.	substances
che a. b. c.	nich of the following wo emical change? the bubbling action of ef the green coating on cop the melting of a Popsicle the burning of rocket fue	fervescent tablets per statues	ered an example of a
11. How do ye	ou know that baking a ca	ke involves chemic	cal changes?
Because s	ome of the ingredients are first	liquid, and after you ba	ke it, it becomes more solid.
chemical o	signs or clues that show change. in color, heat.	that a change you a	are observing is a
13. Because _ involved,	chemical changes they are hard to reverse.	_ change the ident	ity of the substances
14. How could	d some chemical change	s be reversed? Give	an example.

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Direc	cted Reading A continued
PHYS	ICAL VERSUS CHEMICAL CHANGES
b	<ul><li>15. What is the most important question to ask to determine whether a change is physical or chemical?</li><li>a. Was there a color change?</li><li>b. Did the composition change?</li><li>c. Was there a change in size?</li><li>d. Did the change involve a change in state?</li></ul>
a	<ul> <li>16. What is the name of the process by which water is broken down into hydrogen and oxygen using an electric current?</li> <li>a. electrolysis</li> <li>b. decomposition</li> <li>c. reactivity</li> <li>d. reversibility</li> </ul>
17. Du	ring a physical change, the composition of a substance does not
cha	ange.
	y whether the following changes are physical changes or chemical changes. each change either PC for physical change or CC for chemical change.
СС	18. mixing vinegar and baking soda
рс	19. grinding baking soda into a powder
СС	20.souring milk
рс	21. melting an ice cream bar
сс	22. burning a wooden match
СС	23. shooting off fireworks
рс	24. mixing drink mix into water
рс	25. bending an iron nail