Name	Class	Date	

Skills Worksheet

Directed Reading A

	characteristic of matter that can be observed or measured without anging the identity of the matter is a matter property. c. chemical property.				
b. physical property.	d. volume property.				
2. Some examples of physical properta. color, odor, and age.b. color, odor, and speed.	ies are c. color, odor, and magnetism. d. color, odor, and anger.				
Match the correct example with the correct phy the space provided.	ysical property. Write the letter in				
3. Aluminum can be flattened into she of foil.	eets a. state				
4. An ice cube floats in a glass of water	b. solubility er. c. thermal conductivity				
5. Copper can be pulled into thin wire	•				
6. Plastic foam protects you from hot liquid.	e. odor				
7. Flavored drink mix dissolves in wa	ter. f. ductility				
8. An onion gives off a very distinctive smell.	g. density				
9. A golf ball has more mass than a ta tennis ball.	ble				
10. Density is the	that describes the relationship				
between mass and volume.					
11. Objects such as a cotton ball and a small to	omato can occupy similar volumes				
but vary greatly in	·				
12. If you pour different liquids into a graduate	ed cylinder, the liquids will form				
layers based upon differences in the	of each liquid				

13. Which layer of liquid would settle on the bottom of a graduated cylinder?

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D	Pirected Reading A continue	ed	
	Where will the least dense		
	Why would 1 kg of lead be feathers?	e less awkward to c	arry around than 1 kg of
16.	What will happen to a soli than water when it is drop		matter with a greater density
17.	How will knowing the denobject made from that mat	•	help you determine whether an ater?
18.	What is the equation for de	ensity?	
19.	What do <i>D</i> , <i>V</i> , and <i>m</i> stand	l for in the equation	for density?
20.	The units for density take	the form of a mass	unit divided by a(n)
21	What are two reasons why	_	property for identifying

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Directed Rea	ading A <i>continued</i>	
PHYSICAL CI	HANGES DO NOT FORM NEW SU	JBSTANCES
22. A change t	that affects only the physical proper	ties of a substance is known as
a(n)		
23. What kind	of changes are melting and freezing	g?
-	of the following activities represent rovided if they cause only physical	
24. san	ding a piece of wood	
25. bak	ring bread	
26. crus	shing an aluminum can	
27. mel	lting an ice cube	
28. diss	solving sugar in water	
29. mol	lding a piece of silver	
30. When a su	bstance undergoes a physical chang	ge, its
	does not change.	
	anged when matter undergoes a phy your answer.	ysical change? Give an example