13. Which layer of liquid would settle on the bottom?	layers based upon differences in the	volumes but vary greatly in	11. Objects such as a cotton ball and a small tomato can occupy similar		9. A golf ball has more mass than a table tennis ball.	8. An onlon gives off a very distinctive smell,	7. Flavored drink mix dissolves in water.	6. Plastic foam protects you from hot liquid.	5. Copper can be pulled into thin wires.	4. An ice cube floats in a glass of water.	<ol> <li>Aluminum can be flattened into sheets of foil.</li> </ol>	2. Some examples of physical properties are a. color, odor, and age. c. color, odor, and magnetism. b. color, odor, and speed. d. color, odor, and anger.  Match the correct example with the correct physical property. Write the letter in the space provided.	1. A characteristic of matter that can be observed or measured without changing the identity of the matter is a a. matter property.  b. physical property.  d. volume property.	Section: Physical Properties PHYSICAL PROPERTIES	Skills Worksheet)  Directed Reading A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	of each liquid.	ler, the liquids will form	an occupy similar	that describes the relationship			g. density	f. ductility	d. malleability e. odor	c. thermal conductivity	a. slate b. solubility	ties are c. color, odor, and magnetism. d. color, odor, and anger. /slcal property. Write the letter in	be observed or measured without is a c. chemical property. d. volume property.		Dute

The Properties of Matter

Copyright O by Holt, Illnebart and Wheston, All rights reserved. Holt Science and Technology 6	20. The units for density take the form of a mass unit divided by a(n) unit 21. What are two reasons why density is a useful property for identifying substances?	18. What is the equation for density? 19. What do $D$ , $V$ , and $m$ stand for in the equation for density?	16. What will happen to a solid object made from matter with a greater density than water when it is dropped into water?  17. How will knowing the density of a substance help you determine whether an object made from that material will float in water.	Directed Reading A <i>continued</i> 14. Where will the least dense liquid be found?  15. Why would 1 kg of lead be less awkward to carry around than 1 kg of feathers?
The Properties of Matter	unit divided by a(n) property for identifying	n for density?	a matter with a greater density help you determine whether an /ater.	carry around than 1 kg of

The Properties of Matter	Holt Science and Technology 6
	Consider the Hell Discharged Warren and Allert
	to expluin your answer.
al change? Give an example	itsdoes not change, 31. What is changed when matter undergoes a physical change? Give an example
	30. When a substance undergoes a physical change,
	MATTER AND PHYSICAL CHANGES
	29, molding a piece of silver
	28, dissolving sugar in water
	27. molting an ice cube
	26, crushing an aluminum can
	25. baiding bread
	24. sunding a piece of wood
ysical changes by writing PC iges. Put an X beside any	Identify which of the following activities represent physical changes by writing PC in the space provided, if they cause only physical changes, Put an X beside any that do not.
	23. What kind of changes are melting and freezing?
	known as n(n)
NCES of a substance is	PHYSICAL CHANGES DO NOT FORM NEW SUBSTANCES  22. A change that only affects the physical properties of a substance is
	Directed Reading A continued
Dute	Nume Cluss