Name	Class	Date
Skills Worksheet		
Chapter Reviev	V	
Chapter Reviev	<u> </u>	
USING KEY TERMS		
1. Use each of the following term chemical property, physical ch		
For each pair of terms, explain how 2. mass and weight	v the mean	lings of the terms differ.
3. inertia and mass		
4. <i>volume</i> and <i>density</i>		
JNDERSTANDING KEY IDEAS		
Multiple Choice		
•	,•	· NOT 1 · 1
a. reactivity with oxyge		s is NOT a chemical property? c. flammability
b. malleability	711	d. reactivity with acid
6. The volume of a liquid EXCEPT	can be exp	pressed in all of the following units
a. grams.		c. milliliters.
b. liters.		d. cubic centimeters.
7. The SI unit for the mass	s of a subs	tance is the
a. gram.		c. milliliter.
b. liter.		d. kilogram.

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Name _	Class	Date
Char	oter Review continued	
	8. The best way to measure the volume a. use a ruler to measure the length o b. weigh the solid on a balance. c. use the water displacement method. use a spring scale.	f each side of the object.
	9. Which of the following statements at a. Weight is a measure of the gravita b. Weight varies depending on where the Earth.c. Weight is measured by using a spr d. All of the above	tional force on an object. e the object is located in relation to
	10. Which of the following statements do property of a piece of chalk?a. Chalk is a solid.b. Chalk can be broken into pieces.c. Chalk is white.d. Chalk will bubble in vinegar.	oes NOT describe a physical
Short	11. Which of the following statements at a. Density is measured in grams.b. Density is mass per unit volume.c. Density is measured in milliliters.d. Density is a chemical property. Answer	oout density is true?
	one or two sentences, explain how the prouid differs from the process of measuring	
13. WI	nat is the formula for calculating density?	
14. Lis	t three characteristic properties of matter.	

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Name	_ Class	Date
Chapter Review continued		
15. Describe the difference betwee	n mass and weight.	
Math Skills		
16. What is the volume of a book t times the width, and a height the answer in cubic units. Show yo	at is half the width? Re	•

17. A jar contains 30 mL of glycerin (whose mass is 37.8 g) and 60 mL of corn syrup (whose mass is 82.8 g). Calculate the density of each liquid. Which liquid is on top? Show your work, and explain your answer.

CRITICAL THINKING

18. **Concept Mapping** Use the following terms to create a concept map: *matter, mass, inertia, volume, milliliters, cubic centimeters, weight,* and *gravity.*

Nam	Class Date
CI	apter Review continued
	Applying Concepts Develop a set of questions that would be useful when dentifying an unknown substance. The substance may be a liquid, a gas, or a olid.
	Analyzing Processes You made scrambled eggs for your friend Filbert. He isked, "Would you please poach these eggs instead?" What scientific reason would you give Filbert for not changing his eggs?
	dentifying Relationships You look out your bedroom window and see your new neighbor moving in. Your neighbor bends over to pick up a small eardboard box, but he cannot lift it. What can you conclude about the item(s) in the box? Use the terms <i>mass</i> and <i>inertia</i> to explain how you came to your conclusion.
	Analyzing Ideas You may sometimes hear on the radio or on TV that astronauts are weightless in space. Explain why this statement is not true.

Name	Class	Date				
Chapter Review continued						
INTERPRETING GRAPHICS Use the drawing of the crushed aluminum soft drink can below to answer the questions that follow.						
23. List three physical proper	ties of this aluminu	ım can.				
24. When this can was crushe change?	ed, did it undergo a	physical change or a chem	nical			
25. How does the density of the metal in the crushed can compare with the density of the metal before the can was crushed?						
26. What is a tool that could strength, hardness, and flo		est the physical properties on inum can pictured above?				
						