2	CHAPTER 2		
	Mixed Review		
l Unc	erstanding Systems Compar	re and contrast elements	and compounds
	Company Company	e and contrast cicilients	and compounds.
<b>. Cre</b> ider	ative Thinking What are som tity of a sample of a white soli	e accurate methods you o d?	could use to determine th
<b>Unc</b> boil you a m	erstanding Systems Distillat ing points of liquids to separat would separate a homogeneou ixture of two immiscible liquid	ion is a method that depe e the components of a liq is mixture of two miscible ls.	ends on differences in the uid mixture. Explain wh e liquids in this way but r
. Cre bar	<b>ative Thinking</b> Use the kinetion of soap is more apparent to yo	c theory of matter to desc u on a warm day that it is	cribe why the fragrance o s on a cool day.
<b>Unc</b> a su	<b>lerstanding Systems</b> Are ther bstance when it undergoes a p oges? Explain	re changes in the physical hysical change? Is the same	l and chemical properties me true for chemical
cha	1500. Explain.		

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**CHAPTER 2** 

## Chapter 2 Mixed Review, continued

- **6. Applying Knowledge** Find the density of a substance that has a mass of 31 g and a volume of 68 cm<sup>3</sup>.
- **7. Solving Problems** Determine how many grams of tin would be required to fill a 5.52 L container. The density of tin is 7.265 g/cm<sup>3</sup> (**Hint:**  $1 \text{ cm}^3 = 1 \text{ mL}$ ).
- **8. Solving Problems** What is the volume of a container needed to hold 25.3 kg of water? (**Hint:** The density of water is 1.00 g/cm<sup>3</sup>.)
- **9. Concept Mapping** Complete the concept map below by writing the correct word or phrase in the lettered boxes.

