Name	Class	Date	
Skills Worksheet			
Active Reading		÷	

## **Section: Minerals and Mineral Resources**

Read the passage below and answer the questions that follow.

Certain metals are of major economic and industrial importance. Some metals can be pounded or pressed into various shapes or stretched very thinly without breaking. Other metals are good conductors of heat and electricity, or are prized for their durability and resistance to corrosion. Often, two or more metals are combined to form *alloys*. Alloys are important because they often combine the most desirable properties of the metals used to make them. Many new technologies depend on the mining of metallic minerals.

Nonmetals are among the most widely used minerals in the world. For example, gypsum has many applications in the construction industry. It is used to make Sheetrock<sup>TM</sup>, or wallboard, for homes and commercial buildings. It is also a major component of concrete, which is used to build roads, buildings, and other structures. Industrial sand and gravel have uses that range from glassmaking to the manufacture of computer chips. Some nonmetallic minerals, called *gemstones*, are prized purely for their beauty, rarity, or durability. Important gemstones include diamond, ruby, sapphire, emerald, aquamarine, topaz, and tourmaline.

## **IDENTIFYING MAIN IDEAS**

One reading skill is the ability to identify the main idea of a passage. The main idea is the main focus or key idea. Frequently, a main idea is accompanied by supporting information that offers detailed facts about the main idea.

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

1. The value of a mineral is det	termined by its			
<ol><li>a. properties.</li></ol>				
<b>b.</b> mining technique.				
c. gemstones.				
d. alloys.				
<b>2.</b> What types of minerals are a	umong the most widely used in the world?			
<b>a.</b> metals	c. gemstones			
<b>b.</b> alloys	d. nonmetals			
<b>3.</b> Which of the following is an example of a gemstone?				
<b>a.</b> gypsum	c. gravel			
<b>b.</b> sapphire	<b>d.</b> glass			
<b>b.</b> sapphire	_ •			

Name	Class	Date
Active Reading continued		
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VOCABULARY DEVELOPMENT		
In the space provided, write the leterm or phrase.	etter of the description	n that best matches the
<b>4.</b> gypsum	<b>a.</b> the com metals	bination of two or more
5. gemstones	<b>b</b> . a major	component of concrete
<b>6.</b> industrial sand	c. conduct	ors of heat and electricity
<b>7.</b> alloy	<b>d.</b> topaz ar	nd tourmaline
8. certain metals	<b>e.</b> a substa comput	nce used in manufacturing er chips
Read each question and write the	answer in the space	provided.
<b>9.</b> The verb <i>corrode</i> means "wear A metal that is prized for its "re		
<b>10.</b> Aqua means "water" or "a light information to determine what		
RECOGNIZING CAUSE AND EFF	ECT	
One reading skill is the ability to	recognize cause and	effect.
In the space provided, write the le	tter of the phrase that	best answers the question.
11. Why do people value a	emstones?	
<b>a.</b> for their use in indu	stry <b>c.</b> for the	neir beauty and rarity
<b>b.</b> for their resistance t		neir benefit to technology
Read each question and write the	_	provided.
12. Why are alloys especially imp	ortant?	
		<del></del>
<del>-</del>		<u></u>
<b>13.</b> What are some properties of a importance?	metals that give them	economic and industrial
<del></del>		