Name	Class	Date
Skills Worksheet		

# **Active Reading**

### Section: Solid Waste

Read the passage below and answer the questions that follow.

Solid waste from manufacturing, mining, and agriculture makes up much of the total solid waste produced in the United States. Solid waste from manufacturing makes up 56 percent of the total solid waste produced and includes items such as scrap metal, plastics, paper, sludge, and ash. Although consumers do not directly produce waste from manufacturing, they indirectly create it by purchasing products that have been manufactured.

Waste from mining consists of the rocks and minerals that are left over from excavation and processing. This waste is left exposed in large heaps, is dumped in oceans or rivers, or is disposed of by refilling and landscaping abandoned mines. Agricultural waste makes up 9 percent of the total solid waste produced and includes crop wastes and manure. Because agricultural waste is biodegradable, it can be broken down and returned to the soil. However, the increasing use of fertilizers and pesticides may cause agricultural waste to become more difficult to dispose of because the waste may be harmful if returned to the soil.

#### **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.

	<ul><li>1. Solid waste from manufa. crop wastes.</li><li>b. rocks.</li></ul>	acturing includes  c. minerals.  d. plastics.
	<ul><li>a. is biodegradable.</li><li>b. is sometimes dumper.</li><li>c. includes paper and p.</li><li>d. is produced by const</li></ul>	lastics.
***************************************	<ul><li>3. What portion of the soli cultural waste?</li><li>a. 56 percent</li><li>b. 20 percent</li></ul>	d waste produced in the United States is agri- c. 9 percent d. 90 percent

Active Reading continued		
VOCARI	LARY DEVELOPMENT	
Read the following question and write the answer in the space provided.		
<b>4.</b> The v	rerb <i>degrade</i> means "break down." The prefix <i>bio-</i> refers to living things. The <i>a-able</i> means "capable of." Use this information to define <i>biodegradable</i> .	
RECOGN	IIZING SIMILARITIES AND DIFFERENCES	
One read	ling skill is the ability to recognize similarities and differences between two ideas, or things. This is sometimes known as comparing and contrasting.	
In the sp each star	ace provided, write the letter of the term or phrase that best completes tement.	
	5. Agricultural waste may be easier to dispose of than other types of	
	solid waste because agricultural waste	
	<ul><li>a. can be broken down and returned to the soil.</li><li>b. is often left exposed in large heaps.</li></ul>	
	c. may be used to refill abandoned mines.	
	<b>d.</b> makes up a small percentage of the total solid waste.	
	6. Manufacturing waste is different from mining waste in that manufac-	
	turing waste	
	<b>a.</b> is processed and then purchased by consumers.	
	<b>b.</b> is most difficult to dispose of.	
	<ul><li>c. includes products created by human beings.</li><li>d. is biodegradable.</li></ul>	
RECOGN	IIZING CAUSE AND EFFECT	
	ling skill is the ability to recognize cause and effect.	
	ch question and write the answer in the space provided.	
<b>7.</b> How	do consumers indirectly create manufacturing waste?	
	increasing use of which products may cause agricultural waste to become	
	#1.4	
	does the use of these products make agricultural waste more difficult to ose of?	

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## Section: Reducing Solid Waste

Read the passage below and answer the questions that follow.

When most people think about recycling, they probably think of only the first step of bringing their bottles, cans, and newspapers to a recycling center or putting these things at the curb in specially marked containers. However, recycling actually involves a series of steps that must happen for recycling to work.

First, the discarded materials must be collected and sorted by type. Next, each type of material must be taken to a facility where it can be cleaned and made ready to be used again. For example, glass is sorted by color and is crushed, and paper is sorted by type and made into pulp with water. Then the materials are used to manufacture new products. Finally, the new products are sold to consumers. If more people buy products made from recycled materials, there will be an increase in the demand for these products. This demand encourages manufacturers to build facilities to make recycled products. When such facilities are built, it becomes easier for communities to sell the materials they collect from residents for recycling.

#### **IDENTIFYING MAIN IDEAS**

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Read the following question and write the answer in the space provided.  1. What types of products do people commonly recycle?		
In the space provided, write the each statement.	letter of the term or phrase that best completes	
<b>2.</b> Before glass is recycl	led, it is sorted by	
<b>a.</b> size.	c. type.	
<b>b.</b> shape.	d. color.	
<ul><li>a. sorting materials b</li><li>b. cleaning and prepa</li><li>c. taking bottles, can</li></ul>		

	Class Date
Active Reading continu	ned
	ANTION
SEQUENCING INFORM	
One reading skill is the or events in the order in	ability to sequence information, or to logically place items n which they occur.
	vrite the four steps involved in recycling in the sequence in each step in the space provided.
<b>4.</b> Step 1:	
	<del></del>
Read each question and 8. What happens to di	I write the answer in the space provided. scarded paper before it is used to make new products?
Read each question and 8. What happens to di	d write the answer in the space provided.
Read each question and 8. What happens to di 9. What happens to di	d write the answer in the space provided. scarded paper before it is used to make new products?
Read each question and 8. What happens to di 9. What happens to di	d write the answer in the space provided. scarded paper before it is used to make new products?
Read each question and 8. What happens to di 9. What happens to di new products?  CAUSE AND EFFECT	d write the answer in the space provided. scarded paper before it is used to make new products?
Read each question and  8. What happens to di  9. What happens to di  new products?  CAUSE AND EFFECT  One reading skill is the	d write the answer in the space provided. scarded paper before it is used to make new products? scarded glass after it is sorted but before it is made into
Read each question and 8. What happens to di 9. What happens to di new products?  CAUSE AND EFFECT One reading skill is the Read each question and	I write the answer in the space provided. scarded paper before it is used to make new products? scarded glass after it is sorted but before it is made into ability to recognize cause and effect.

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# **Active Reading**

### **Section: Hazardous Waste**

Read the passage below and answer the questions that follow.

Some hazardous wastes are disposed of by burning, often in specially designed incinerators. Incinerators can be a safe way to dispose of waste, but they have several problems. Incineration is generally the most expensive form of waste disposal because incinerators require a lot of energy to operate. Incinerators also need pollution-control devices and need to be carefully monitored so that hazardous gases and particles are not released into the air. Also, after hazardous waste is incinerated, the leftover ash needs to be buried. This ash is usually buried in a hazardous waste landfill.

When we put hazardous waste into disposal facilities for long-term storage, the wastes do not disappear. Instead, they must be closely monitored. For example, disposal of radioactive wastes from nuclear reactors is an especially difficult storage problem. The only way to make the radioactive wastes nonhazardous is to let them sit for thousands of years until the radioactivity decreases to safe levels. Therefore, engineers and geologists search for disposal sites that probably will not be damaged by movements of the Earth for thousands of years.

#### **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 phrase that best completes each statement.

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ver ash is
it for thousands of years
red for hazardous gases.
S.
ive.

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	7
T 	ha anaan maaddad
anger. Waste is someth	inig that is discarded. What
6	
to sequence information they occur.	on, or to logically place items
	the process of disposing of first step, "2" on the line in
onitored.	
site that will not be dan	naged by Earth movements.
are stored.	
re built.	
sands of years.	*
EFFECT	
to recognize cause and	l effect.
the answer in the space	provided.
cinerators are the most	expensive form of waste
carefully monitored?	
logists try to find dispo	sal sites that are unlikely to
	to sequence information they occur.  In the line in front of the oon.  In