Name	Class	Date	
Skills Worksheet			
Active Readin	a		

12.3 Section: Acid Precipitation

Read the passage below and answer the questions that follow.

Thousands of lakes throughout the world are victims of acid precipitation, which is also known as acid rain. Acid precipitation is precipitation such as rain, sleet, or snow that contains a high concentration of acids. When fossil fuels are burned, they release oxides of sulfur and nitrogen. When the oxides combine with water in the atmosphere, they form sulfuric acid and nitric acid, which fall as acid precipitation. This acidic water flows over and through the ground, and into lakes, rivers, and streams. Acid precipitation can kill living things, and can result in the decline or loss of some local animal and plant populations.

A **pH** (power of hydrogen) number is a measure of how acidic or basic a substance is. The lower the number on a pH scale, the more acidic a substance is; the higher a pH number is, the more basic a substance is. Each whole number on the pH scale indicates a tenfold change in acidity.

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 main ideas.

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

 1. In which of these forms does act	a precipitation reach the surface of
Earth?	
a. light	c. precipitation
b. energy	d. oxides
 2. What is harmed by acid precipitaa. lakes, rivers, and streamsb. plant populations	c. animal populations d. all of the above
 3. What does acid precipitation cona. particulate matterb. fossil fuels	c. sulfuric acid and nitric acid d. calcium carbonate

VOCABULARY DEVELOPMENT

Read each question and write the answer in the space provided.

4. What three forms can acid precipitation take?

Name Active Reading continued		Date	
-	<u> </u>	s, he or she is often explaining loes this author use parenthe	_
6. What does a pH number	er tell you?		
SEQUENCING INFORMA	TION		
One reading skill is the abi or events in the order in wh	-	nation, or to logically place i	tems
Sequence the statements b	pelow to trace the path	of acid precipitation. Write " front of the second step, and	
7. The oxides com	bine with water in the	atmosphere.	
8. Acid precipitation	on falls.		
9. Sulfuric acid an	d nitric acid are formed	d.	
10. The decline or l	oss of plant and anima	l populations can occur.	
11. Fossil fuels are	burned, releasing sulfu	r and nitrogen oxides.	
12. Acidic water run and streams.	ns over and through the	e ground, and into lakes, rive	ers,
<u>C</u>	ty to recognize similariti	ICES es and differences between two s comparing and contrasting.	7 O
Read the question and writ	e the answer in the spa	ace provided.	
13. What does it mean whe	n something has a high	h pH level? a low pH level?	
RECOGNIZING CAUSE A	ND EFFECT		
One reading skill is the abi	lity to recognize cause	and effect.	
Read each question and w		•	
	of acid precipitation?	What are some effects?	