Name	Class	Date	
Skills Worksheet			
Active Reading			

Section 3: 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 acid precipitation reach the surface of

 1. III willed of these forms does ac	ia precipitation reach the surface of
Earth?	
a. light	c. precipitation
b. energy	d. oxides
 2. What is harmed by acid precipit	tation?
a. lakes, rivers, and streams	c. animal populations
b. plant populations	d. all of the above
3. What does acid precipitation co	ntain that is harmful to living things?
a. particulate matter	c. sulfuric acid and nitric acid
b. fossil fuels	d. calcium carbonate

VOCABULARY DEVELOPMENT

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

4.	What	three	forms	can	acid	precip	oitation	take?
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Name	Class	Date
Active Reading continued		
		es, he or she is often explaining does this author use parentheses
6. What does a pH number	tell you?	
SEQUENCING INFORMAT	ION	
One reading skill is the abili or events in the order in whi	-	nation, or to logically place items
		of acid precipitation. Write "1" on front of the second step, and so
7. The oxides comb	ine with water in the	atmosphere.
8. Acid precipitation	ı falls.	
9. Sulfuric acid and	nitric acid are forme	ed.
10. The decline or lo	ss of plant and anima	al populations can occur.
11. Fossil fuels are b	urned, releasing sulf	ur and nitrogen oxides.
12. Acidic water runs and streams.	s over and through th	e ground, and into lakes, rivers,
٥	to recognize similarit	NCES ties and differences between two as comparing and contrasting.
Read the question and write	the answer in the sp	ace provided.
13. What does it mean when	something has a hig	h pH level? a low pH level?
RECOGNIZING CAUSE AN	ID EFFECT	
One reading skill is the abili	ty to recognize cause	e and effect.
O		
Read each question and writ	e the answer in the s	space provided.