Name	C!	lass	Date	

Skills Worksheet



## **Active Reading**

## **Section: Cellular Respiration**

Read the passage below. Then answer the questions that follow.

In the first stage of cellular respiration, glucose is broken down in the cytoplasm during a process called glycolysis. Glycolysis is an enzyme-assisted anaerobic process that breaks down one six-carbon molecule of glucose to two three-carbon pyruvates. A molecule that has lost or gained one or more electrons is called an ion. Pyruvate is the ion of a three-carbon organic acid called pyruvic acid. The pyruvate molecules produced during glycolysis still contain some of the energy that was stored in the glucose molecule.

## SKILL: READING EFFECTIVELY

ad each	ad each question, and write your answer in the space provided.			
. What re	elationship exists between the cytoplasm of a cell and glycolysis?			
Glycoly	ysis is classified as an anaerobic process. What does this indicate?			
What h	appens to a six-carbon molecule of glucose during glycolysis?			
	•			
	s the source of the energy contained in the pyruvate molecules pro through glycolysis?			
the space questic	ce provided, write the letter of the term or phrase that best answers on.			
5.	Which of the following is a product of glycolysis?			
	a. two three-carbon molecules of pyruvate			
	<b>b.</b> two ATP molecules			
	c. glucose			
	<b>d.</b> Both (a) and (b)			