Cellular Energy Section 3 Cellular Respiration

	Scan the headings, illustrations, and captions in Section 3 of the chapter. Write three facts that you discover about cellular respiration
	1
	2
	3
Review Vocabular	Use your book or dictionary to define cyanobacterium.
ey une cu	
New	
Vocabular	y Read the definitions below and write the correct vocabulary term in the blank.
	metabolic process that does not require oxygen
	in cellular respiration, a series of anaerobic chemical reactions in the cytoplasm that break down glucose into pyruvic acid; forms a net profit of two ATP molecules
	metabolic processes that require oxygen
	in cellular respiration, a cycle of chemical reactions that break down glucose and produce ATP; energizes electron carriers that pass the energized electrons on to the electron transport chain
	a series of anaerobic reactions in the cytoplasm that regenerate NAD for glycolysis and produce ATP; supplies energy for aerobic organisms when oxygen is low
	in cellular respiration, the processes that take place in the mitochondrion and require oxygen; includes the Krebs cycle and

Section 3 Cellular Respiration (continued)

Overview

of Cellular Respiration

(Main Idea)____

(Details

Rephrase the function of cellular respiration in your own words. Write the equation that describes it.

Function:

Equation:

Compare and summarize the three stages of cellular respiration.

Glycolysis	Krebs Cycle	Electron Transport
	a series of chemical reactions that break down pyruvate from glycolysis	
takes place in	takes place in	takes place in
produces two ATP molecules for every glucose molecule that is broken down	produces	provides energy for ATP production final electron acceptor is

Sequence events that lead to fermentation in aerobic organisms.



Glycolysis, Krebs Cycle, and Electron Transport

I found this information on page _____.

I found this information on page _____.

Anaerobic Respiration

I found this information on page _____.

Name

Section 3 Cellular Respiration (continued)

