

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Skills Worksheet

## Directed Reading

### Section: Cellular Respiration

Complete each statement by writing the correct term or phrase in the space provided.

1. Cells harvest the energy in organic compounds to make ATP through a process called \_\_\_\_\_.
2. Metabolic processes that require oxygen are called \_\_\_\_\_ processes.
3. The breakdown of glucose to pyruvate is called \_\_\_\_\_.
4. The primary fuel for cellular respiration is \_\_\_\_\_.
5. In the first stage of cellular respiration, glucose is broken down to \_\_\_\_\_.

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

6. How is acetyl-CoA produced?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. What are the products of the electron transport chain in the second stage of cellular respiration?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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## Directed Reading continued

Complete each statement by writing the correct term or phrase in the space provided.

8. When oxygen is not present, the \_\_\_\_\_ does not function.
9. Two types of fermentation are \_\_\_\_\_ and \_\_\_\_\_ fermentation.
10. The role of fermentation in cellular respiration is to recycle \_\_\_\_\_.

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

11. What causes muscle soreness during exercise?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
12. Why do cells produce more ATP under aerobic conditions than under anaerobic conditions?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_