



Name

Period

Date

SECTION
4.6

FERMENTATION
Study Guide

KEY CONCEPT

Fermentation allows the production of a small amount of ATP without oxygen.

VOCABULARY

fermentation

lactic acid

MAIN IDEA: Fermentation allows glycolysis to continue.

1. What is the importance of fermentation?

2. What is the function of fermentation?

3. When does fermentation take place in your muscle cells?

4. Why is fermentation an anaerobic process?

5. How is fermentation involved in the production of ATP?

In the space below, show and label the process of lactic acid fermentation.

Lactic Acid Fermentation

Blank space for drawing and labeling the process of lactic acid fermentation.

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STUDY GUIDE, CONTINUED

MAIN IDEA: Fermentation and its products are important in several ways.

In the space below, show and label the process of alcoholic fermentation.

Alcoholic Fermentation

6. How are lactic acid fermentation and alcoholic fermentation similar? different?

7. Name one commercial use of lactic acid fermentation.

8. Name one commercial use of alcoholic fermentation.

Vocabulary Check

9. The term *fermentation* is based on a word that means “to bubble.” How is this meaning related to your understanding of the fermentation process?

10. What is lactic acid?
