

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

## Section 9.1 and 9.3 Outline: Cellular Respiration and Fermentation

Big Idea (pg. 248): \_\_\_\_\_

Section 9.1 (pp. 250-253): \_\_\_\_\_

<b>Key Question:</b>
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Define the section 9.1 vocabulary words in the space below:

<b>calorie:</b>
<b>cellular respiration:</b>
<b>aerobic:</b>
<b>anaerobic:</b>

Analyzing Data (p. 251): You are What You Eat. Read the analyzing data section on page 251. Answer questions 1-3 in the space below.

1. Interpret Data:	2. Calculate:	3. Calculate:
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Write the equation for cellular respiration in symbols and in words below:

Symbols:

Words:

Examine figure 9-2. What are the 3 stages of cellular respiration and which stages occur in the mitochondrion? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Examine figure 9-3. Exactly how is the equation for photosynthesis different from the equation for cellular respiration? Write both equations below and then describe the difference.

Photosynthesis:

Cellular respiration:

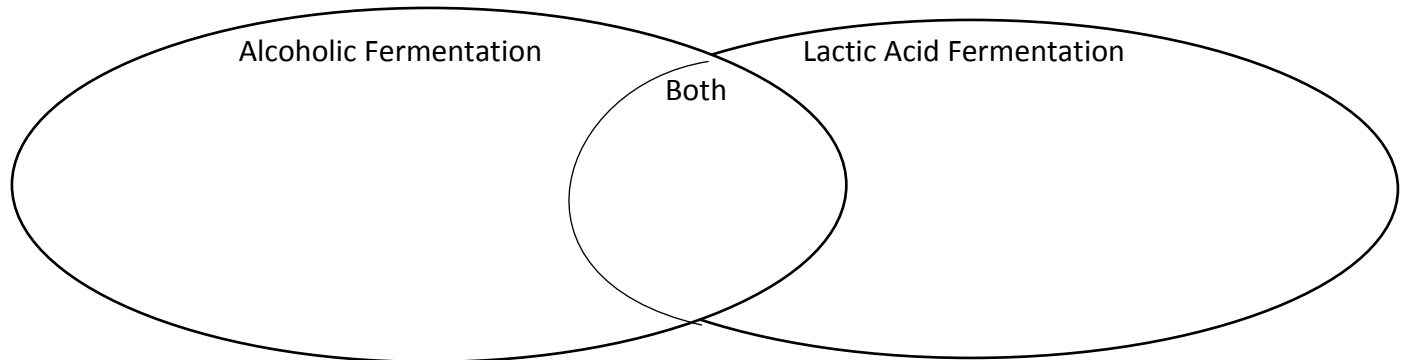
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\_\_\_\_\_

Section 9.3 (pp. 262-265): \_\_\_\_\_

**Key Question:**

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Examine figure 9-8. Use venn diagram below to compare and contrast the 2 types of fermentation.



Read pages 264-265. Describe how the body produces ATP during different stages of exercise.

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