

**Chapter 9 Cellular Respiration**

**Section Review 9-2**

**Reviewing Key Concepts**

**Short Answer** *On the lines provided, answer the following questions.*

1. How is pyruvic acid used in the Krebs cycle?

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2. How are glycolysis and cellular respiration related?

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3. What role do high-energy electrons play in the electron transport chain?

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4. What are the reactants in cellular respiration? What are the products?

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**Reviewing Key Skills**

**Identification** *On the lines provided, identify which phrase describes the following processes: cellular respiration or photosynthesis.*

- \_\_\_\_\_ 5. reactants are CO<sub>2</sub> and H<sub>2</sub>O
- \_\_\_\_\_ 6. occurs only in plants, algae, and some microorganisms
- \_\_\_\_\_ 7.  $6O_2 + C_6H_{12}O_6 \rightarrow 6CO_2 + 6H_2O + \text{Energy}$
- \_\_\_\_\_ 8. uses oxygen to release energy from food

9. **Comparing** How many ATP molecules are produced in glycolysis? In cellular respiration?

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10. **Applying Concepts** Would a baseball player running to first base and a cross-country skier use the same or different pathways to release energy? Explain your answer.

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