

**Chapter 9 Cellular Respiration** **Section Review 9-1**

**Reviewing Key Concepts**

**Completion** *On the lines provided, complete the following sentences.*

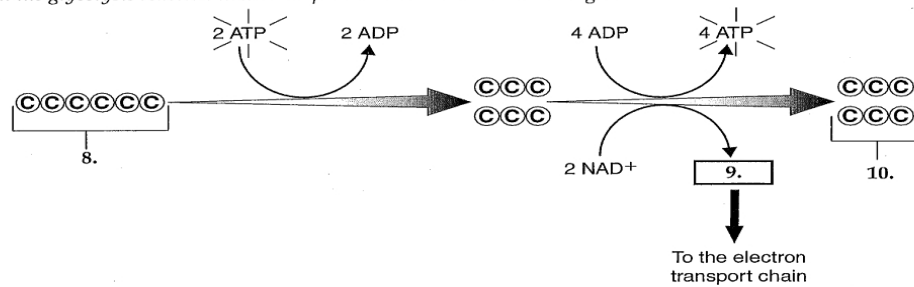
1. The process that releases energy by breaking down glucose and other food molecules in the presence of oxygen is called \_\_\_\_\_.
2. During glycolysis, one molecule of \_\_\_\_\_ is broken in half.
3. During glycolysis,  $\text{NAD}^+$  is converted to \_\_\_\_\_.
4. Glycolysis produces a net gain of \_\_\_\_\_ ATP molecules for each reaction.
5. The products of alcoholic fermentation are \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

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

6. Why is fermentation considered an anaerobic process?  
 \_\_\_\_\_  
 \_\_\_\_\_
7. How does fermentation allow the production of ATP to continue?  
 \_\_\_\_\_  
 \_\_\_\_\_

**Reviewing Key Skills**

**Labeling Diagrams** *On the lines provided below, write the names of the substances in the glycolysis reaction that correspond to the numbers in the diagram.*



8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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