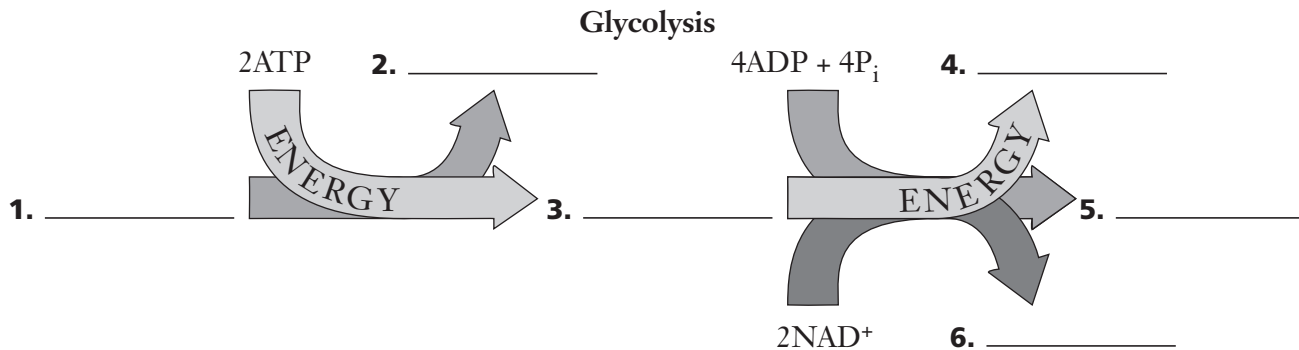


Chapter
9
Energy in a Cell, continued
Reinforcement and Study Guide
Section 9.3 Getting Energy to Make ATP

In your textbook, read about the cellular respiration and fermentation.

Fill in the names of the molecules to complete the glycolysis reaction. Use these choices: 2PGAL, 4ATP, glucose, 2ADP, 2 pyruvic acid, 2NADH + 2H⁺. Then answer the questions.



7. What happens to pyruvic acid before entering the citric acid cycle?

8. What happens to the electrons carried by the NADH and FADH₂ molecules produced during the citric acid cycle?

9. During which stages of cellular respiration are ATP molecules formed?

10. Why is oxygen necessary for cellular respiration?

11. How is fermentation different from cellular respiration?

In your textbook, read about comparing photosynthesis and cellular respiration.

Answer the following question.

12. Describe two ways in which cellular respiration is the opposite of photosynthesis.

