**CHAPTER 9 VOCABULARY AND QUESTIONS**

**Chapter 9 Vocabulary**

1. fermentation
2. cellular respiration
3. redox reaction
4. oxidation
5. reduction
6. reducing agent
7. oxidizing agent
8. NAD+
9. electron transport chain
10. glycolysis
11. Krebs cycle
12. oxidative phosphorylation
13. substrate-level phosphorylation
14. acetyl CoA
15. cytochromes (cyt)
16. ATP synthase
17. chemiosmosis
18. proton-motive force
19. aerobic
20. anaerobic
21. alcohol fermentation
22. lactic acid fermentation
23. facultative anaerobe
24. beta oxidation

**Questions**

1. Distinguish between fermentation and cellular respiration.
2. Describe the summary equation for cellular respiration.
3. Explain how ATP is recycled in cells.
4. Explain how redox reactions are involved in energy exchanges.
5. Explain why organic molecules that have an abundance of hydrogen are excellent cellular fuels.
6. Describe the role of NAD+ and the electron transport chain during respiration.