Biology Test 7 Study Guide

1. What is ATP? Understand what it is used for and what it is made from.
2. How is energy stored in ATP?
3. How is energy released from ATP?
4. What is photosynthesis? Be able to describe photosynthesis in words.
5. What is the equation for photosynthesis? Make sure you know the names of all the reactants and products as well as the equation.
6. What are pigments?
7. What is chlorophyll?
8. What makes chlorophyll green?
9. Where in the cell does photosynthesis take place?
10. What is cellular respiration? Be able to describe cellular respiration in words.
11. What is the equation for cellular respiration? Make sure you know the names of all the reactants and products as well as the equation.
12. Why can’t all the energy of a glucose molecule be released at one time?
13. What is a calorie? What is a Calorie (big C)?
14. What is the difference between aerobic and anaerobic reactions?
15. What is fermentation? What are the two types of fermentation?
16. What are the byproducts of both types of fermentation?
17. What type of organisms use alcoholic fermentation? What types use lactic acid fermentation?
18. How many ATP are made during fermentation?
19. How many ATP’s are created by cellular respiration?
20. **How are photosynthesis and cellular respiration related**?