**Reviewing Photosynthesis and Cellular Respiration**

1. **Photosynthesis:**
2. What is the equation for photosynthesis?
3. Where in plant cells does photosynthesis occur?
4. What are the 3 parts of the chloroplast?
5. What are the 2 phases/steps of photosynthesis? (List them in order.)
6. Where does the Light Dependent Reactions occur?
7. What is needed for the Light Dependent Reactions?
8. What is made during the Light Dependent Reactions?
9. Where does the Light Independent Reactions occur?
10. What are 2 other names for the Light Independent Reactions?
11. What is needed for the Light Independent Reactions?
12. What is made during the Light Independent Reactions?
13. **Cellular Respiration:**
14. What is the equation for Cellular Respiration?
15. In what organelle does Cellular Respiration occur?
16. What are the 4 parts of the Mitochondria?
17. What are the 3 steps of Cellular Respiration? (List them in order.)
18. Where does Glycolysis occur?
19. What is needed for Glycolysis to occur?
20. What is made during Glycolysis?
21. Where does the Citric Acid Cycle occur?
22. What is another name for the Citric Acid Cycle?
23. What is needed for the Citric Acid Cycle to occur?
24. What is made during the Citric Acid Cycle?
25. Where does the ETC occur?
26. Where do the energy carrying molecules that convert ADP to ATP in the ETC come from? (What other steps?)
27. How many ATP total are made during *aerobic* respiration?
28. During anaerobic respiration, what process occurs after glycolysis?
29. How many ATP total are made during *anaerobic* respiration?



1. **Describe the relationship between photosynthesis and cellular respiration.**