

Study Guide: Photosynthesis and Respiration

1. Where does the energy of photosynthesis come from? And what type of energy is it stored as?
2. What is aerobic respiration? What does it need, what does it produce?
3. How are photosynthesis & respiration interrelated?
4. If I conduct an experiment and leave a plant in a sealed container with equal amounts of oxygen and carbon dioxide, what do I expect to see after a couple of days (in regards to the gases in the container).
5. Know what occurs in the mitochondria and in the chloroplast
6. What is photosynthesis, what does it need/what does it make/where does it take place?
7. What is the electron transport chain, where does it take place?
8. What is ATP, what is its job?
9. What happens to ATP in muscle cells after repeated use?
10. What factors affect photosynthesis & how?
11. What are the steps of cellular respiration?
12. Know the formula/equation for photosynthesis and respiration (names and chemical formulas)