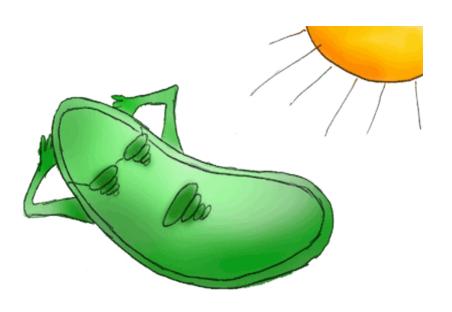
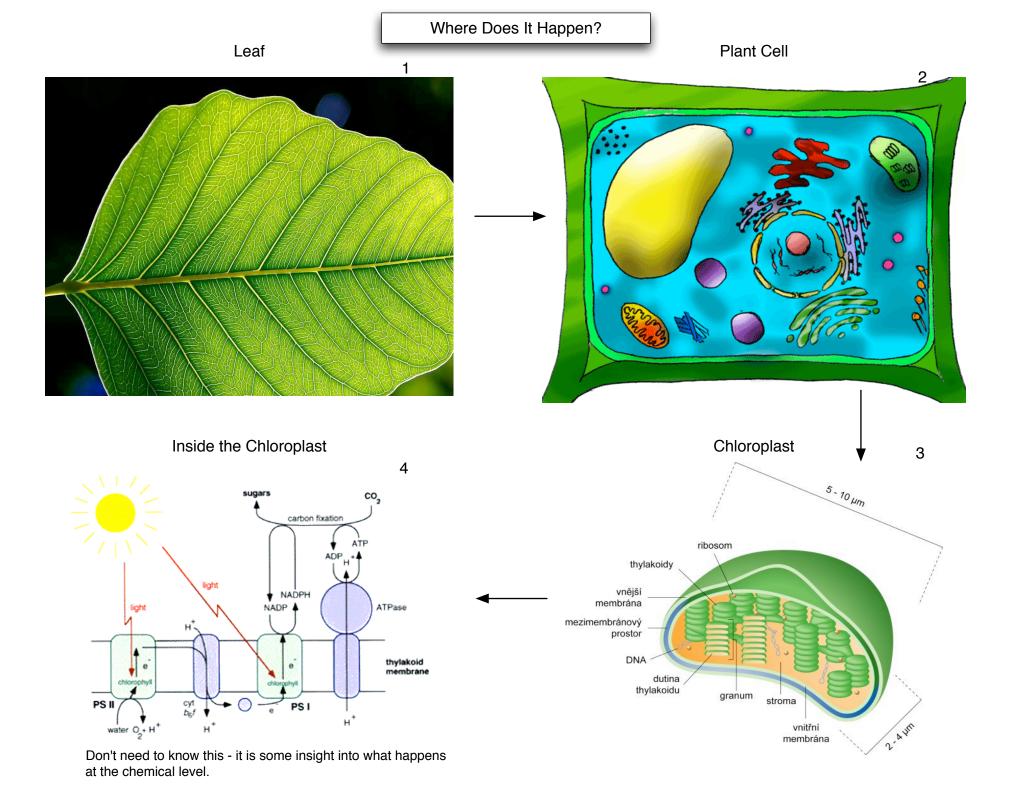
What Is Photosynthesis?

Photosynthesis is a process carried out by plants, algae, and few species of bacteria. It is a way that these organisms make their own food using light energy, water, and carbon dioxide. It occurs within specialized organelles called chloroplasts. These chloroplasts have pigments called chlorophylls within them that are able to capture the incoming light and convert it into chemical bond energy (food). Lucky for us these organisms produce oxygen as a by-product while carrying out photosynthesis. The food that is made by "PS" can be used for: energy, growth and repair, or storage.





Light Energy + Carbon Dioxide + Water ————> Food + Oxygen



What Do We Need To Know About Photosynthesis?

1. What is the purpose of photosynthesis in living things and where does it take place?
2. What raw materials, energy source, and pigment are needed to allow this process to take place?
3. What are the possible products of photosynthesis and what is the waste product?
4. What can the products of photosynthesis be used for?
5. The formulas for photosynthesis and respiration.
6. How are photosynthesis and repiration related?