Photosynthesis group project

4 Stages of Photosynthesis

**Overview of photosynthesis**: Show interaction between Reactants, Products, and energy transfer molecules (ATP and NADPH) 233

* What organisms can complete photosynthesis
* Parts of a chloroplast- Outer and inner membrane / stroma / thylakoid / granum
* Explain the equation of photosynthesis in words
* How do plants get each of the necessary components for photosynthesis

**Light Dependent Reactions:** Photosystem 2 and electron transport chain 237

* Picture representation of process
* What is photosystem 2?
* What is found in it?
* Include what happens with water
* Include Hydrogen Ions being actively transported into thylakoids

**Light Dependent reactions**: Photosystem 1, electron transport chain, and ATP synthase 237

* Picture representation of the process
* What is photosystem 1
* What does it do to NADP+
* Secondary active transport of H+
* ATP synthase

**Light Independent reactions**: Calvin cycle 238

* Picture representation of the cycle- not so worried about the names of the steps but a general overview of what is going on.
* Where does it occur?
* What goes into the cycle
* Where do we get it from
* What is “made” by the cycle