

- Identify the molecules that are absorbed, produced, and released by a plant cell during photosynthesis.
- Compare and contrast an animal cell to a plant cell.
- Identify the part of the chloroplast where hydrogen is stored.
- Identify the part of the chloroplast where glucose is produced.
- Identify the part of the chloroplast where ATP is produced.
- Identify the part of the chloroplast where chlorophyll is found.
- Identify the part of the chloroplast where the light reaction takes place and where the Calvin Cycle takes place.
- Compare and contrast a chloroplast's structures to those of a mitochondria.
- State the role that each of the following plays in photosynthesis: hydrogen, photons, oxygen, ATP, NADP+
- summarize what occurs during the light reaction.
- Summarize what occurs during the Calvin cycle.
- Summarize the roles that RuBP and G3P play.
- Define photophosphorylation
- describe why plants need a) sunlight, b) fertilizer, c) aerated soil, and d) water as they pertain to the molecular processes that occur during photosynthesis.