

Photosynthesis Worksheet

1. What is the overall reaction for photosynthesis?
2. How does this compare to the overall reaction for cellular respiration?
3. Where does the energy for photosynthesis come from?
4. What is the major plant pigment involved in photosynthesis?
5. Explain why chlorophyll appears green to us in terms of what happens to different wavelengths of light that strike a chlorophyll molecule.
6. Where in the cell does photosynthesis take place?
7. What are the two stages of photosynthesis?
8. In which part of the chloroplast does each stage occur?
9. What happens to water molecules in the light reactions?
10. What photosynthesis waste product is formed in the light reactions?
11. What two products of the light reactions are used up in the Calvin cycle?
12. What happens to carbon dioxide molecules in the Calvin cycle reactions?
13. How can cells store the sugar that is produced in photosynthesis?