

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Photosynthesis Worksheet

1. What is the overall reaction for photosynthesis?
2. Where does the energy for photosynthesis come from?
3. What plant pigments are involved in photosynthesis?
4. Explain why chlorophyll appears green to us in terms of what happens to different wavelengths of light that strike a chlorophyll molecule.
5. In what organelle of a plant cell does photosynthesis take place?
6. What are the two stages of photosynthesis?
  - a.
  - b.
7. In which part of the chloroplast does each stage occur?
8. What happens to water molecules in the light reactions?
9. What 'waste' product is formed in the light reactions that humans use daily?
10. What two products of the light reactions are used up in the Calvin cycle?