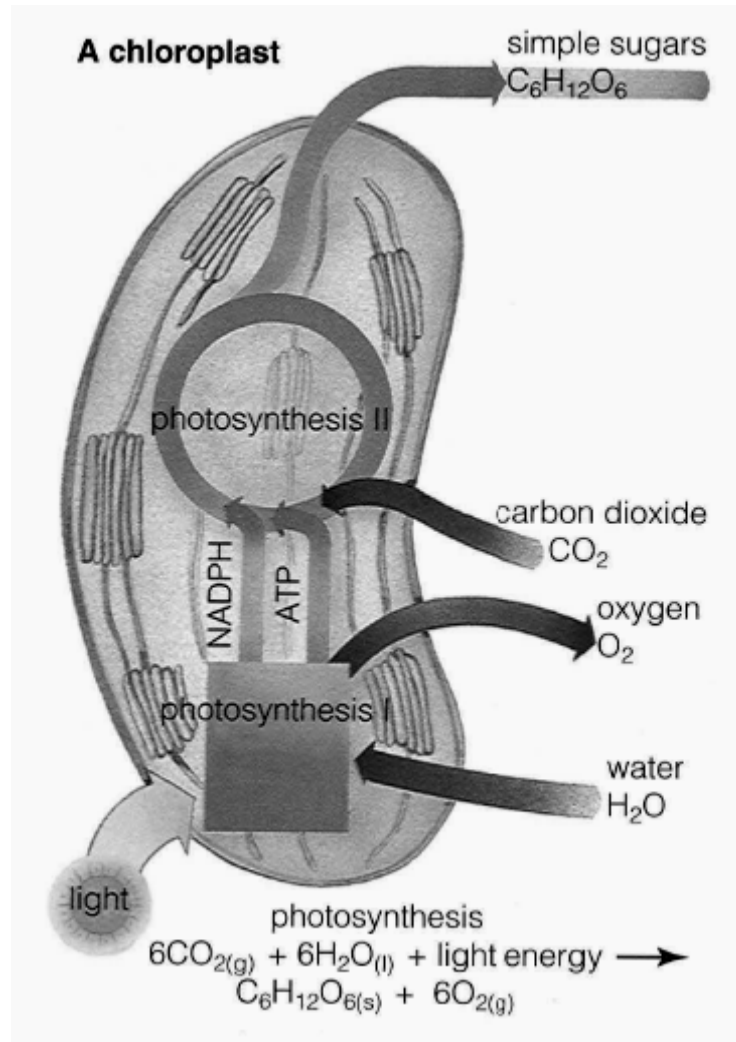


**CHAPTER 1**  
**OVERHEAD****Photosynthesis****BLM 1.1.1**

Energy from the Sun is captured by photosynthetic organisms (producers).

These organisms convert this energy to glucose and other energy-rich compounds such as starches, proteins, and fats. These compounds provide energy and matter for the producers themselves, as well as for consumers of the producers.

Notice that photosynthesis and cellular respiration are almost the reverse of each other. Both processes use the same matter, but the form of energy used and released is different.