



→ Sunlight goes into the chloroplast & into the light reaction. Energy from sunlight is used to change ADP into ATP. Water is also used, and O_2 is produced as a waste product. ATP from the light reaction goes to the dark reaction, where it is broken to release energy and make ADP. Carbon dioxide comes in, and energy from the breakdown of ATP is used to reassemble the atoms into glucose ($C_6H_{12}O_6$). ADP goes back to the light reaction, where it is re-used.