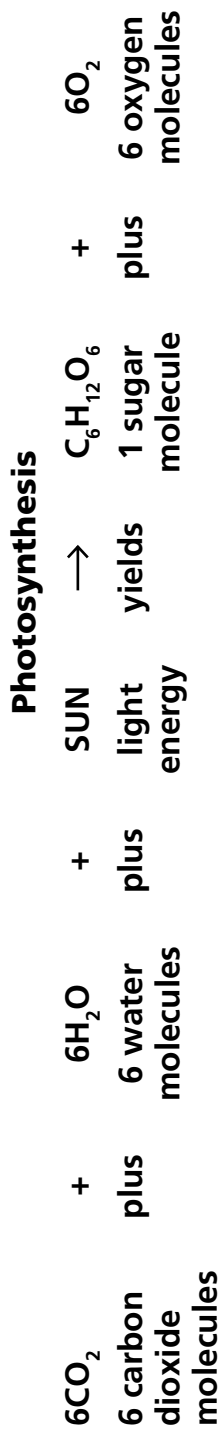
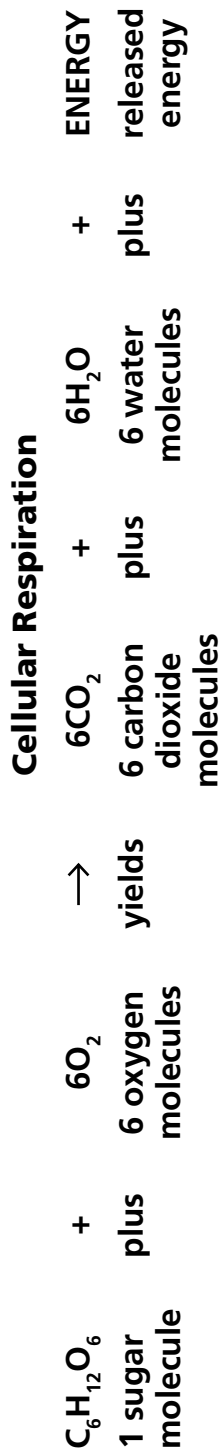




# Photosynthesis and Cellular Respiration



Plants conduct photosynthesis only when light is available. During photosynthesis, the plant produces sugar and gives off oxygen as a waste product. The sugar is used for energy so the plant can grow and develop.



Every cell in an organism's body carries on cellular respiration to get energy. Plants also carry on cellular respiration. Cellular respiration is a chemical process that breaks down sugar (food) and releases energy. The energy is used for the organism's growth and development. During cellular respiration, plant cells take in oxygen through the stomata and give off carbon dioxide.