

Photosynthesis

Notes



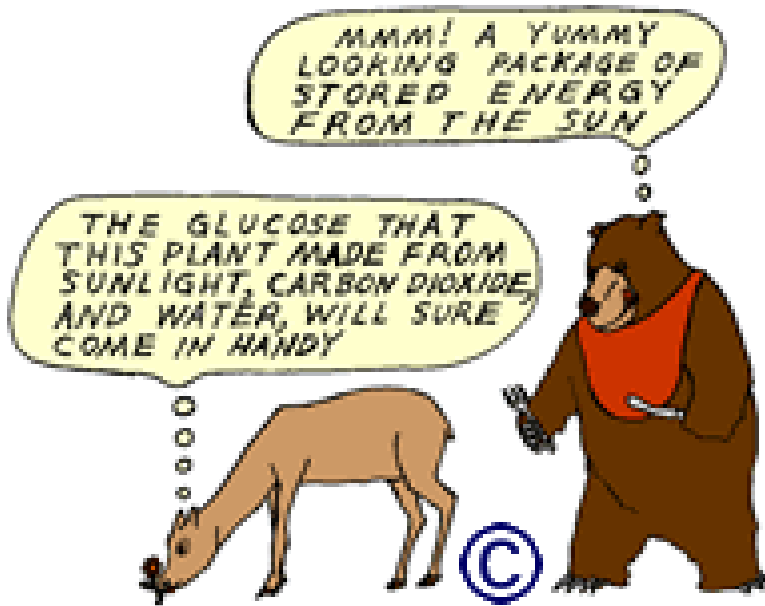
Most energy
on the planet
comes from
the sun.

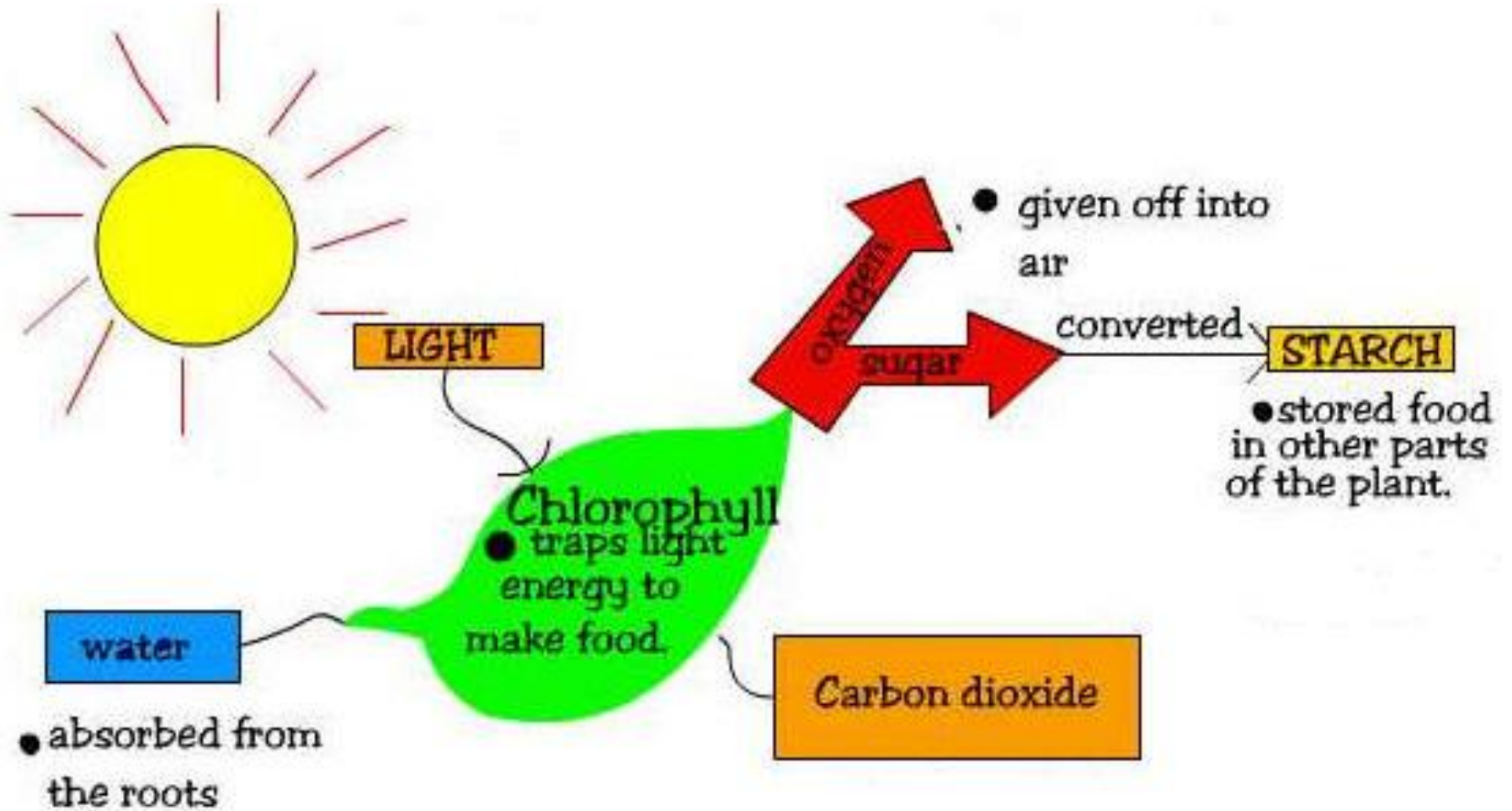


- Living things called autotrophs (or producers) trap energy so they can use it
- Most autotrophs use photosynthesis to trap the sun's energy
 - “photo” = light
 - “synthesis” = to form a compound out of simpler compounds

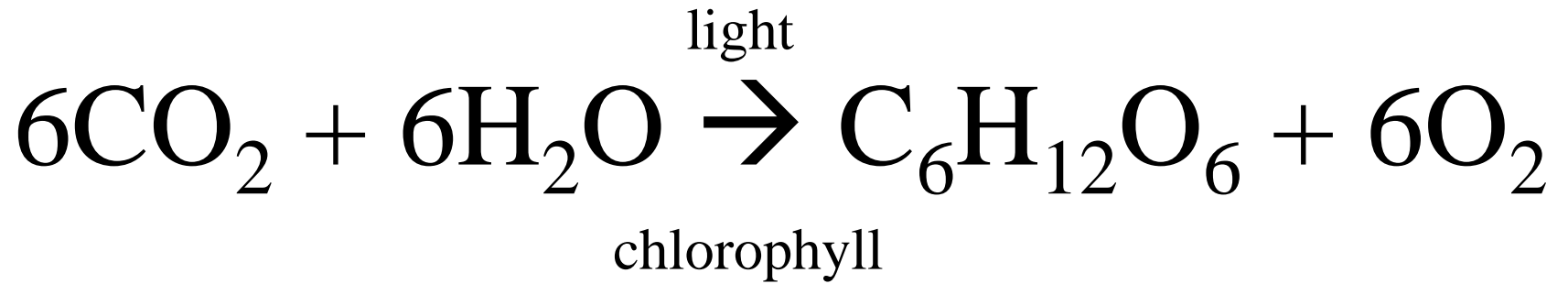
Photosynthesis is the source of energy for most living things

- Autotrophs change light energy into usable chemical energy
- Heterotrophs (or consumers) get their energy by eating autotrophs or other heterotrophs that ate autotrophs





Carbon Dioxide + Water \rightarrow Sugar (Glucose) + Oxygen

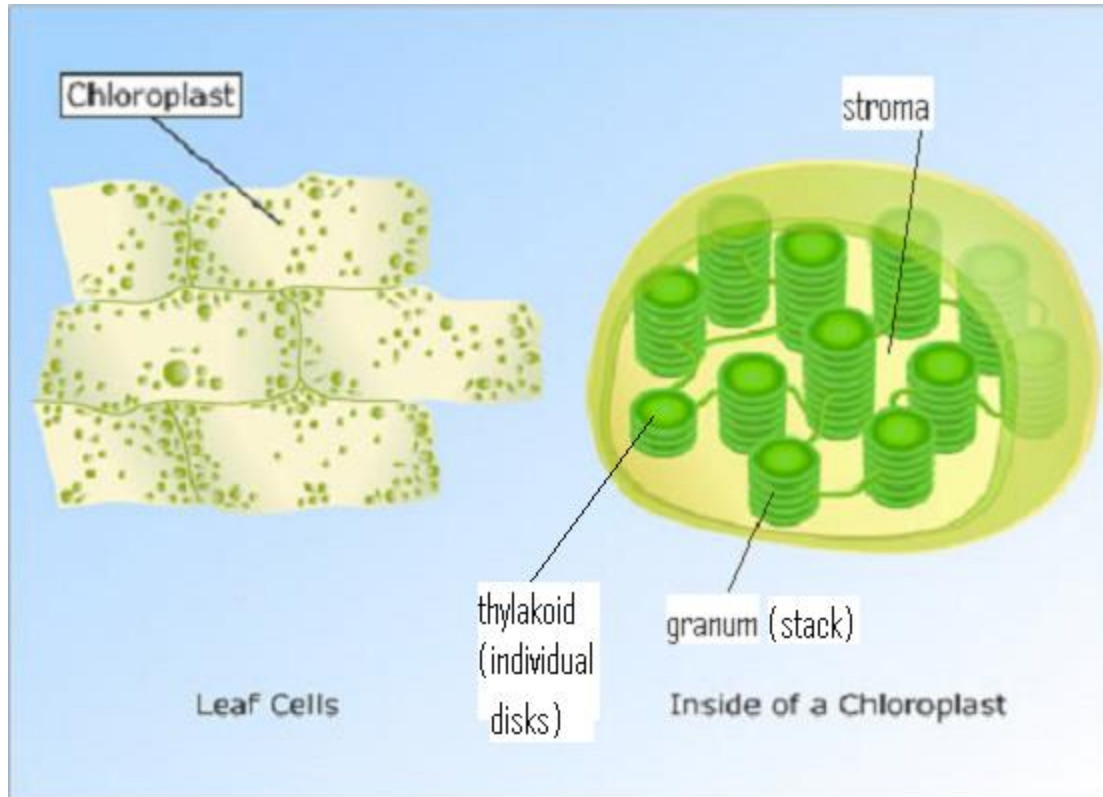


Reactants



Products

Photosynthesis happens in the chloroplasts



Chloroplasts contain many pigments, but mostly chlorophyll

- Chlorophyll absorbs mostly red, orange, blue, and violet light waves
- Chlorophyll reflects green and yellow light waves
- This makes chlorophyll look green (or yellowish green)



Summary:

