

Photosynthesis Notes

Photosynthesis is the process that uses (light) radiant energy to convert CO₂ carbon dioxide & H₂O water

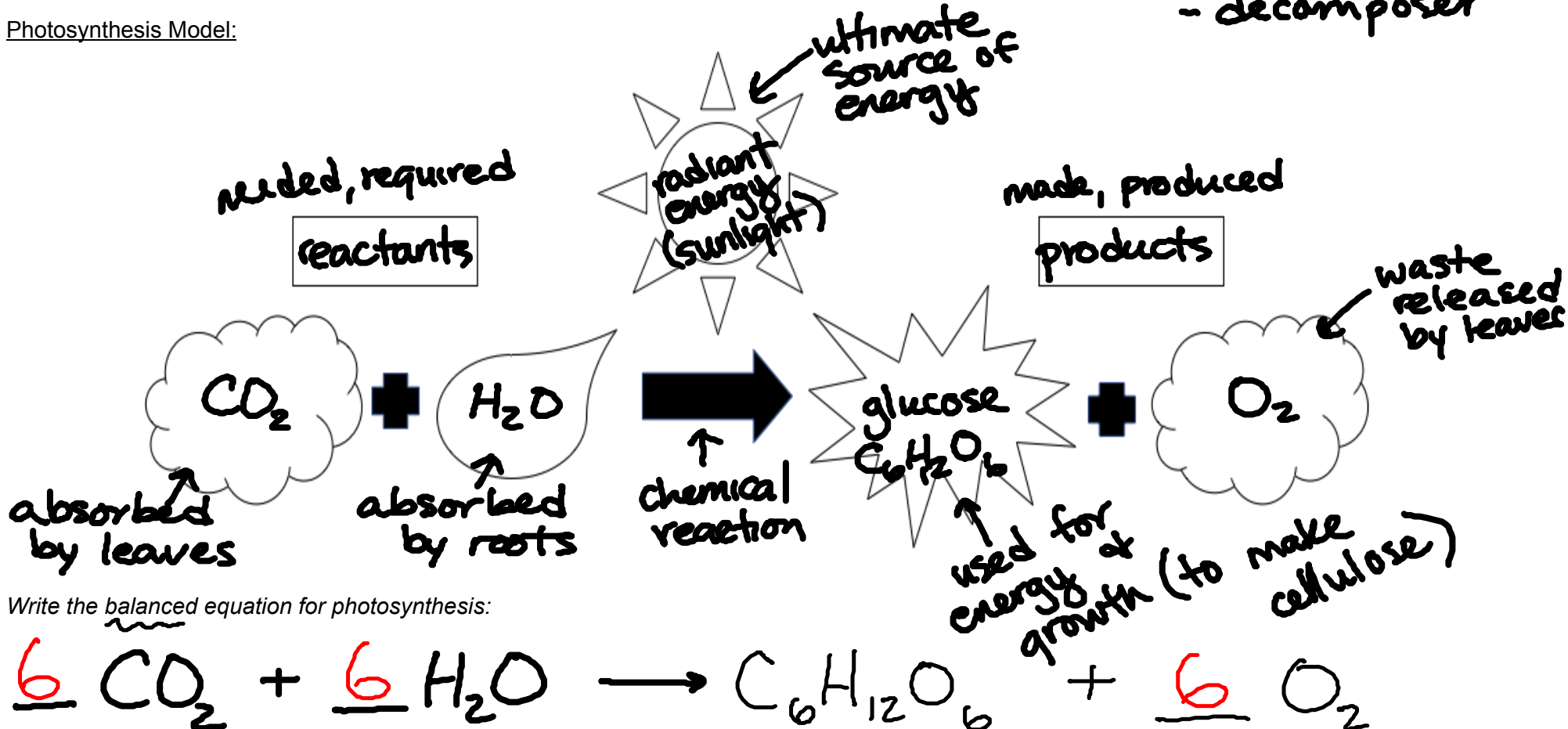
into O₂ oxygen & glucose C₆H₁₂O₆ sugar, food.

Photosynthesis occurs in the chloroplast (organelle) where a pigment called chlorophyll captures light energy. *green pigment*

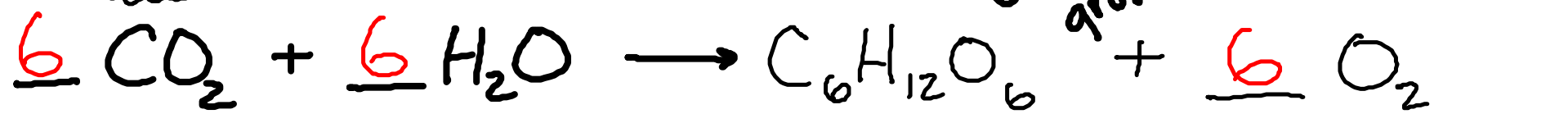
Organisms that use photosynthesis to make own food are called producer / autotroph *photoautotroph*

Organisms that cannot make own food are called heterotroph - consumer *- decomposer*

Photosynthesis Model:



Write the balanced equation for photosynthesis:



Aerobic Respiration Notes

Aerobic cellular respiration is the process that converts _____ & _____

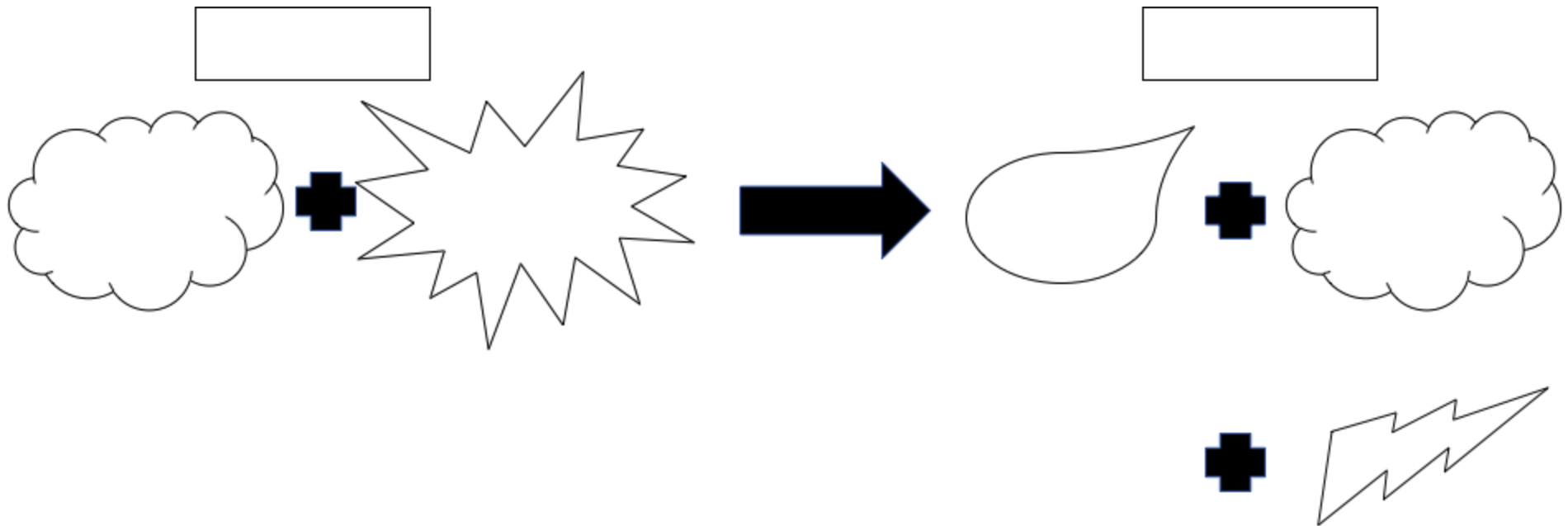
into _____, _____ & _____.

Respiration occurs in the _____ of _____.

Respiration that occurs in the absence of oxygen is called _____.

This type of respiration is less _____ because it makes less _____.

Aerobic Respiration Model:



Write the balanced equation for aerobic respiration: