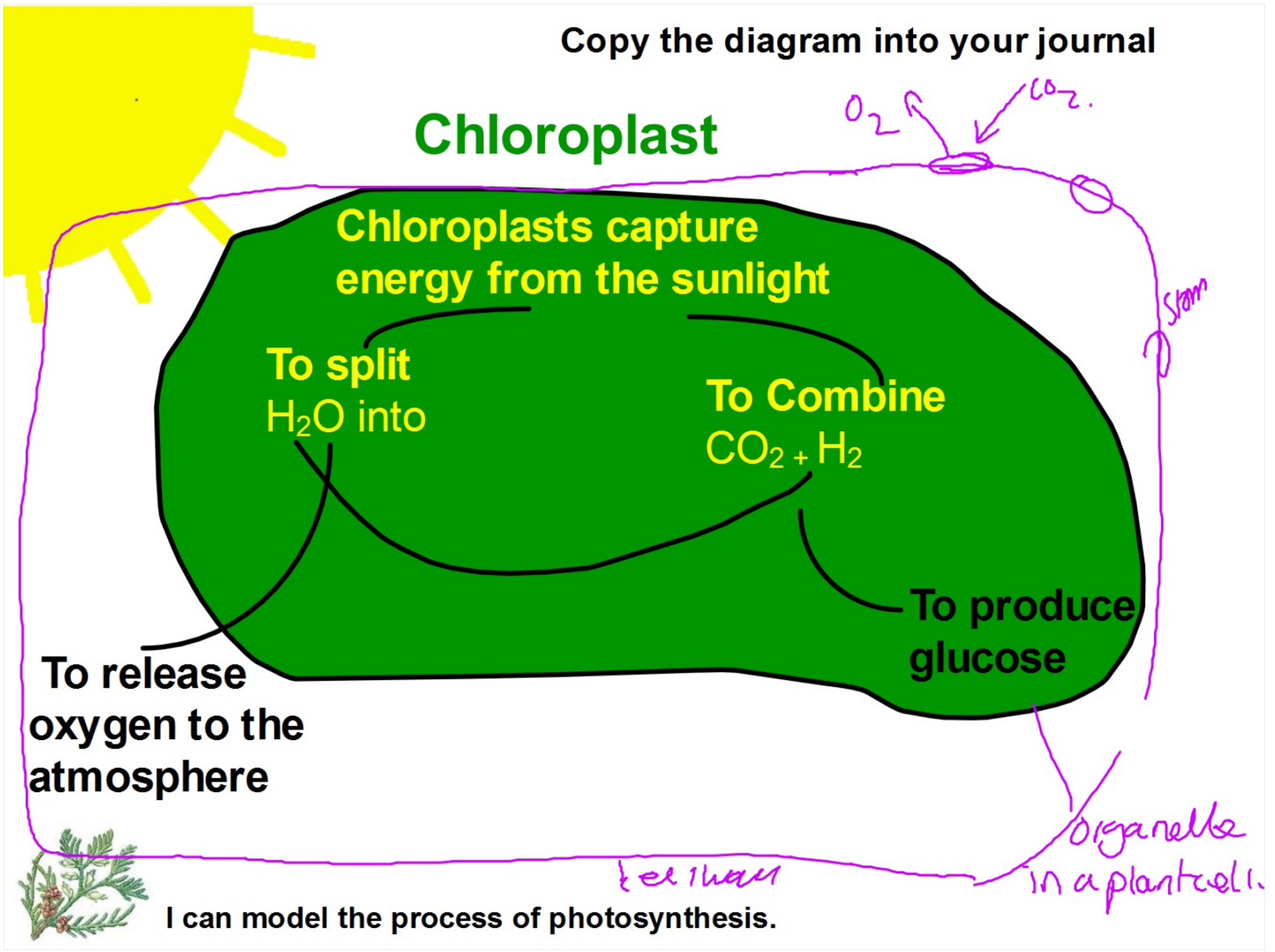


Copy the diagram into your journal

Chloroplast

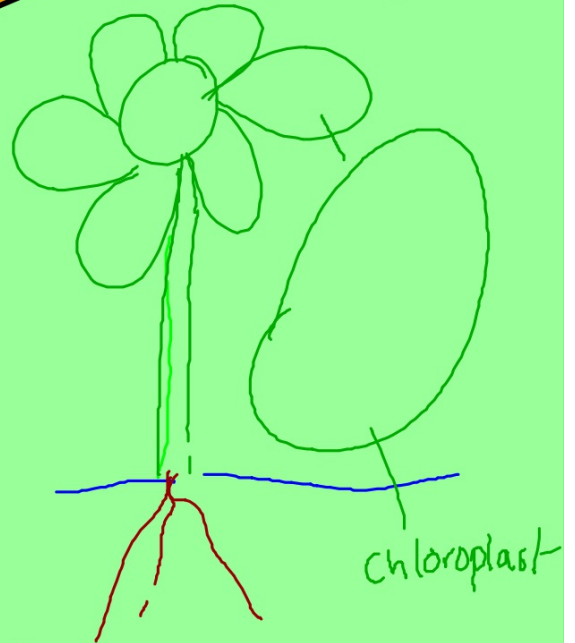
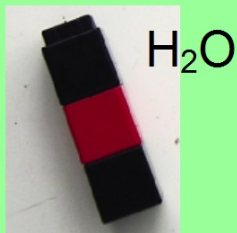
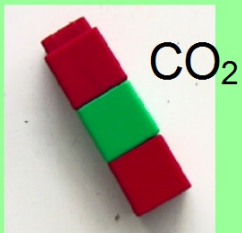


05/10 producers and energy #3

Photosynthesis



Check to make sure you have
12 Hydrogen atoms (black or brown)
18 Oxygen atoms (red)
6 Carbon atoms (green)



Learning target: I can model the process of photosynthesis

Photosynthesis

**Jobs**

Carbon Dioxide: Make 6 CO_2 molecules

Water: Make 6 H_2O molecules

Sun: Use energy to break all bonds

Chloroplast: Synthesizes 1 glucose molecule $\text{C}_6\text{H}_{12}\text{O}_6$
and 6 O_2 molecules



CO_2



H_2O

KEY

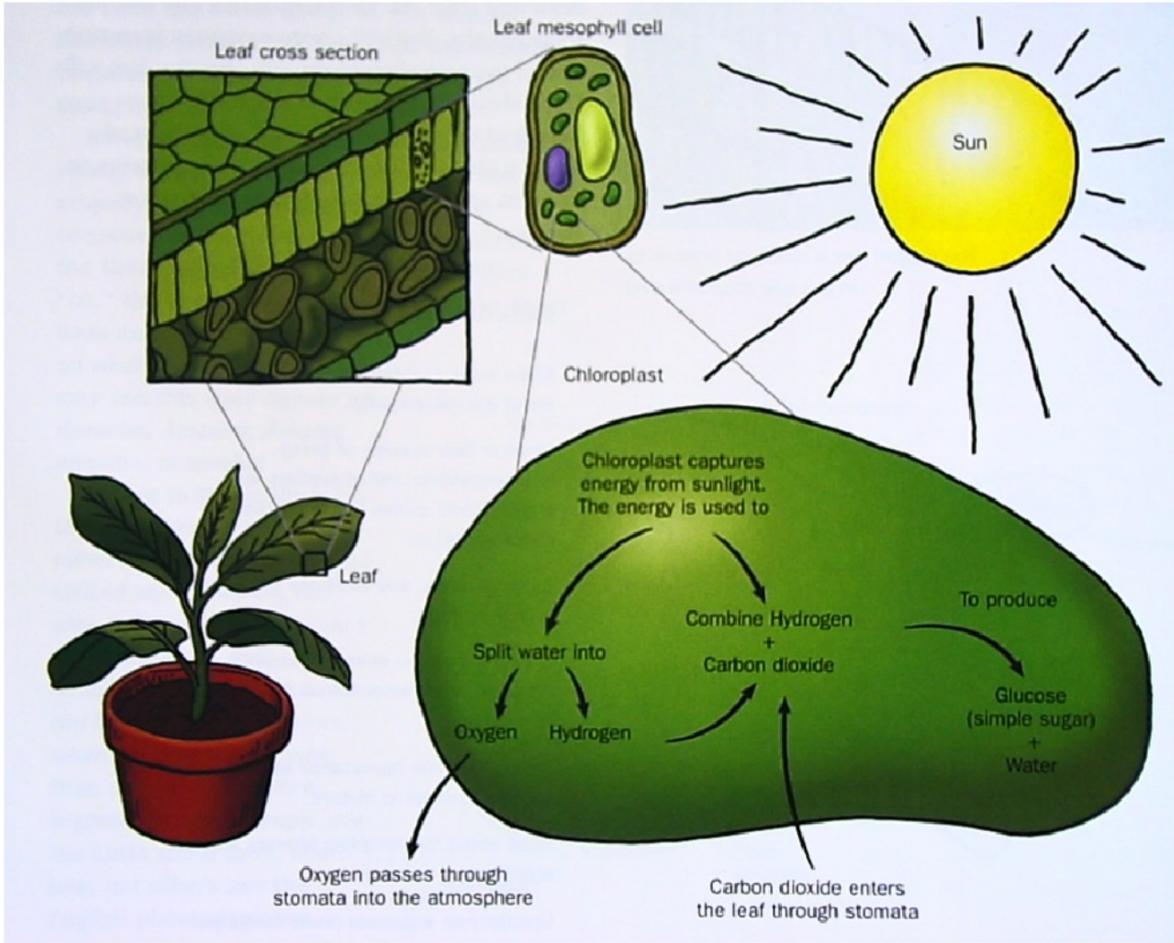
Carbon: (green)

Oxygen: (red)

Hydrogen: (Black or brown)



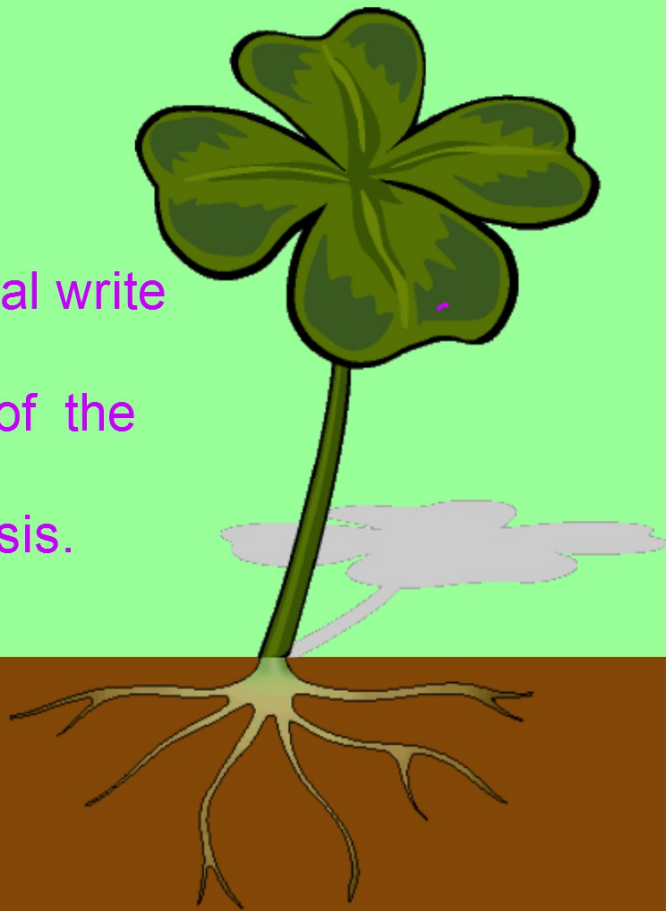
Learning target: I can model the process of photosynthesis



Photosynthesis

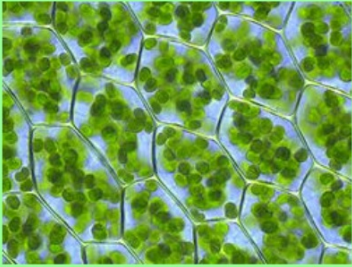


In your journal write a detailed explanation of the process of photosynthesis.



TV411photosynthesis

05/10 producers and energy #3



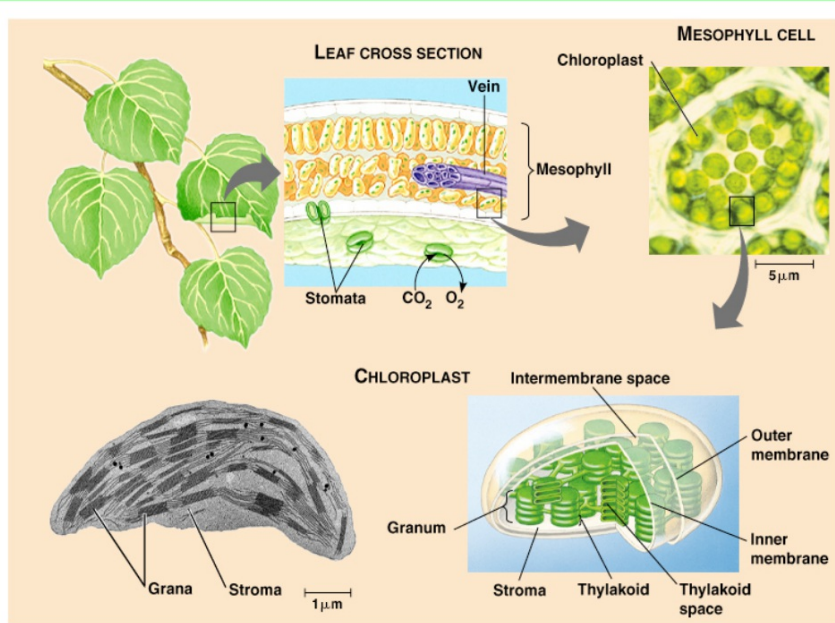
Photosynthesis occurs in the chloroplasts. This is one of the organelles in the cells of plants.



Learning

target: I can model the process of photosynthesis

05/10 producers and energy #3



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Chlorophyll: a pigment that reflects green light, and absorbs red and blue light to start the process of photosynthesis. Chlorophyll pigments are clustered in the thylakoid membranes



Learning

target: I can model the process of photosynthesis