CONCEPT: LEAF & CHLOROPLAST ANATOMY

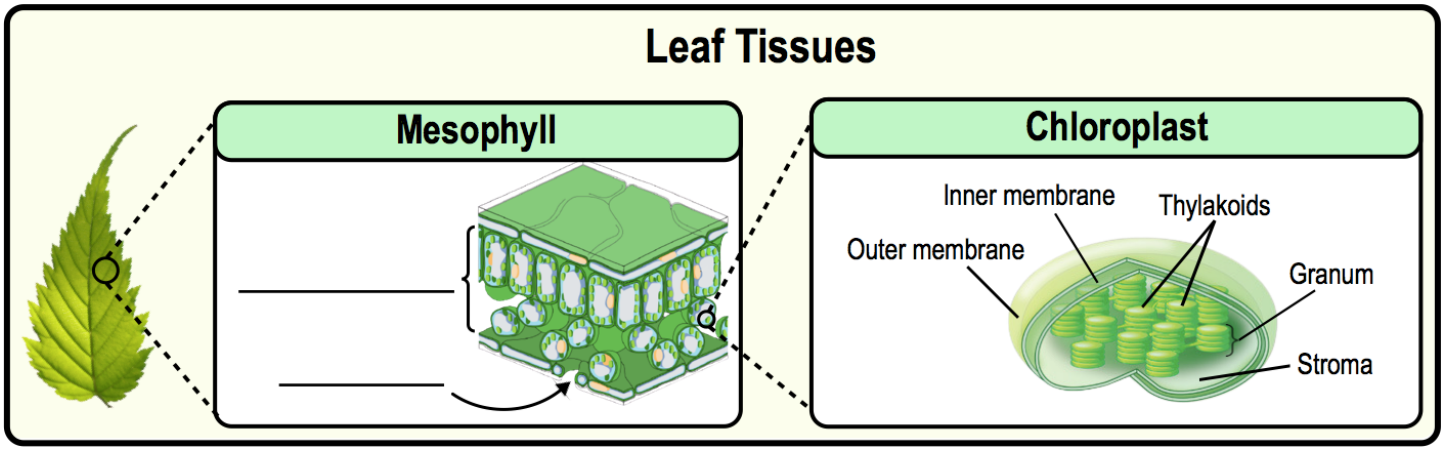
●**Mesophyll:** interior leaf tissue consisting of *mesophyll cells*, which have a lot of _____.

□ *Meso* = "_____" & *-phyll* = "_____".

□ **Stomata:** tiny _____ in the leaf that allows *gas exchange* of CO_2, O_2, & H_2O with the atmosphere.

□ Recall*: chloroplasts* (the sites of _____) have important anatomy.

EXAMPLE: Leaf & Chloroplast Anatomy.



□ Chloroplasts "*power*" photosynthesis by absorbing _____ *waves* of light.

PRACTICE: A gelatinous matrix inside the chloroplast containing ribosomes, DNA and enzymes is the:

a) Granum.
b) Chlorophyll.
c) Thylakoid.
d) Stroma.
e) Mitochondria.

PRACTICE: Which plant structure is responsible for a plant's gas exchange with the atmosphere?

a) Chloroplast.
b) Stomata.
c) Mesophyll.
d) Stroma.