

CONCEPT: LEAF & CHLOROPLAST ANATOMY

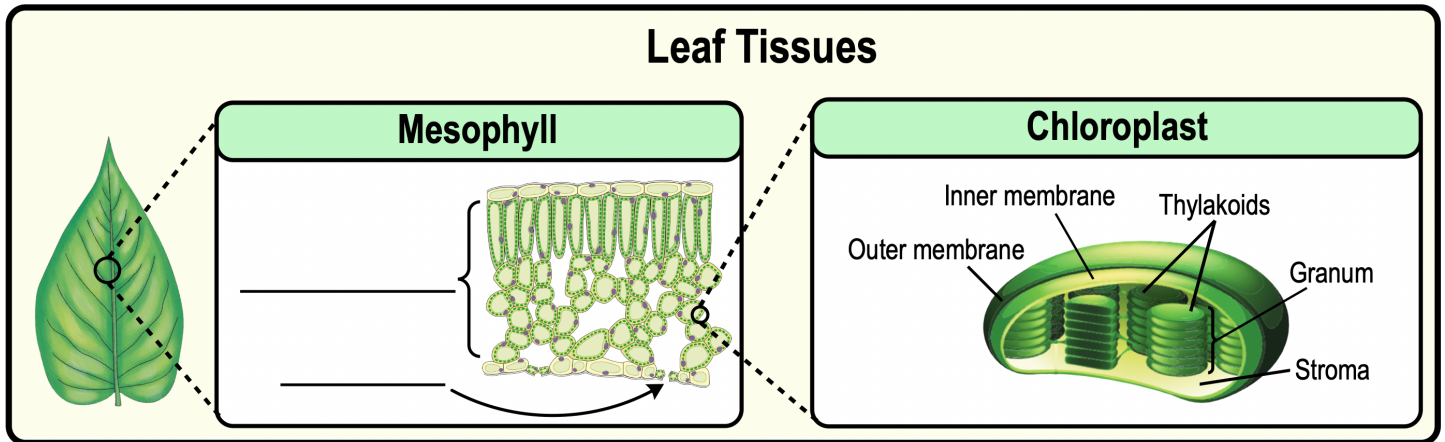
● **Mesophyll:** interior leaf tissue consisting of *mesophyll cells*, which have a lot of _____.

□ *Meso* = “_____” & *-phyll* = “_____”.

□ **Stomata:** tiny _____ in the leaf that allows *gas exchange* of CO₂, O₂, & H₂O 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.