



Basic Leaf Structures:

- Blade what we all call a leaf (lamina)
- Petiole attaches blade to stem
- Veins
- Midrib main vein

Petiolate or Sessile?

- Petiolates leaves attach to the stem with a petiole.
- Sessile leaves lack a petiole and the blade attaches directly to the stem.





Simple or Compound?

- Simple a single blade (with or without a petiole) attached to the stem
- Compound the blade of the leaf is divided into multiple smaller blades called leaflets (each leaflet does not attach to the stem)









- smaller veins branch out from the midrib
- veinsproduce a feather-like appearance





Palmate Venation veins

all the main veinsarise from a common point at base of leaf and radiate outward

outward





3

















• Relates to how the leaves are located around the stem of the plant

- Alternate
- Opposite
- Whorled





• Leaves are positioned directly opposite one another on the stem of the plant.



Three or more leaves are located in a circle around the stem of the plant.





