

# SHAPE



**Acicular**  
needle shaped



**Falcate**  
hooked or sickle shaped



**Orbicular**  
circular



**Rhomboid**  
diamond-shaped



**Acuminate**  
tapering to a long point



**Flabellate**  
fan shaped



**Ovate**  
egg-shaped, wide at base



**Rosette**  
leaflets in tight circular rings



**Alternate**  
leaflets arranged alternately



**Hastate**  
triangular with basal lobes



**Palmate**  
like a hand with fingers



**Spatulate**  
spoon-shaped



**Aristate**  
with a spine-like tip



**Lanceolate**  
pointed at both ends



**Pedate**  
palmate, divided lateral lobes



**Spear-shaped**  
pointed, barbed base



**Bipinnate**  
leaflets also pinnate



**Linear**  
parallel margins, elongate



**Peltate**  
stem attached centrally



**Subulate**  
tapering point, awl-shaped



**Cordate**  
heart-shaped, stem in cleft



**Lobed**  
deeply indented margins



**Perfoliate**  
stem seeming to pierce leaf



**Trifoliate/Ternate**  
leaflets in threes



**Cuneate**  
wedge shaped, acute base



**Obcordate**  
heart-shaped, stem at point



**Odd Pinnate**  
leaflets in rows, one at tip



**Tripinnate**  
leaflets also bipinnate



**Deltoid**  
triangular



**Obovate**  
egg-shaped, narrow at base



**Even Pinnate**  
leaflets in rows, two at tip



**Truncate**  
squared-off apex



**Digitate**  
with finger-like lobes



**Obtuse**  
bluntly tipped



**Pinnatisect**  
deep, opposite lobing



**Unifoliate**  
having a single leaf



**Elliptic**  
oval-shaped, small or no point



**Opposite**  
leaflets in adjacent pairs



**Reniform**  
kidney-shaped



**Whorled**  
rings of three or more leaflets

# MARGIN



**Ciliate**  
with fine hairs



**Crenate**  
with rounded teeth



**Dentate**  
with symmetrical teeth



**Denticulate**  
with fine dentition



**Doubly Serrate**  
serrate with sub-teeth



**Entire**  
even, smooth throughout



**Lobate**  
indented, but not to midline



**Serrate**  
teeth forward-pointing



**Serrulate**  
with fine serration



**Sinuate**  
with wave-like indentations



**Spiny**  
with sharp stiff points



**Undulate**  
widely wavy

# VENATION



**Arcuate**  
secondary veins  
bending toward apex



**Cross-Venulate**  
small veins connecting  
secondary veins



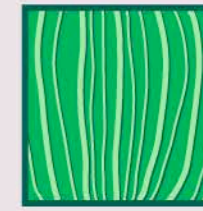
**Dichotomous**  
veins branching  
symmetrically in pairs



**Longitudinal**  
veins aligned mostly  
along long axis of leaf



**Palmate**  
several primary veins  
diverging from a point



**Parallel**  
veins arranged axially,  
not intersecting



**Pinnate**  
secondary veins  
paired oppositely



**Reticulate**  
smaller veins  
forming a network



**Rotate**  
in peltate leaves,  
veins radiating