

## LEAF SHAPES

ACICULAR-shaped like needle

ACUMINATE-tapers to long point

COMPOUND-not simple

*Bipinnate-each leaflet also pinnate*

*Pinnate-two rows of leaflets*

*Odd pinnate-pinnate w/terminal leaflet*

*Even pinnate-pinnate no terminal leaflet*

*Tripinnate-3Xpinnate-leaflets are bipinnate*

*Tetrapinnate-leaflets themselves tripinnate*

CORDATE-Heart shaped, stem attached @cleft

CUNEATE-wedge shape with acute base

DELTOID-triangular shape, stem attached @side

DIGITATE-fingerlike lobes

ELLIPTIC-oval with a short or no point

FALCATE-sickle/hook shaped

FLABELLATE-fan/semi-circle shaped

HASTATE-triangular top, pointed basal lobes

LANCEOLATE-lance shaped pointed both ends

LINEAR-long, parallel, narrow

## LEAF MARGINS

CILIATE-with fine hairs along edge

CRENATE-with rounded teeth

DENTATE-with symmetrical teeth

DENTICULATE-with fine teeth

DOUBLY SERRATE—serrate/sub teeth

ENTIRE-even, smooth edge

## LEAF VENATION

ARCUATE-secondary veins bend towards apex

CROSS-VENULATE-small veins that connect to secondary veins

DICHOTOMOUS-symmetrically paired veins

LONGITUDINAL-aligns mostly along side of leaf

## LEAF SHAPES

OBCORDATE-heart shaped, stem @point

OBLONG-elongated-slightly parallel sides

OBOVATE-stem @point of teardrop shape

ORBICULAR-roundish

OVATE-oval with tapered point

PALMATE-thick fingers radiating from hand

PEDATE-Palmate w/divided lateral lobes

PELTATE-roundish w/stem underneath

PINNATISECT-opposite lobing/deeply cut

RENIFORM-kidney bean shaped

RHOMBOID-diamond-shaped

ROSETTE-leaflets in tight ring

SAGITTATE-arrowhead shaped

SIMPLE-leaf is one continuous section

SPATULATE-spoon shaped

SUBULATE-awl shaped w/tapering point

TRUNCATE-with a squared off end

UNIFOLATE-having only one leaf

WHORLED-rings of leaflets (3 or more)

## LEAF MARGINS

LOBATE-indented (not to midline)

SERRATE-forward pointing teeth

SERRULATE-w/fine serration

SINUATE-wavelike indentations

SPINY-sharp stiff points

UNDULATE-widely wavy

## LEAF VENATION

PALMATE-primary veins diverge from a point

PARALLEL-parallel veins that don't interconnect

PINNATE-secondary veins paired oppositely

RETICULATE-small veins forming a network

ROTATE-veins radiating from a midpoint