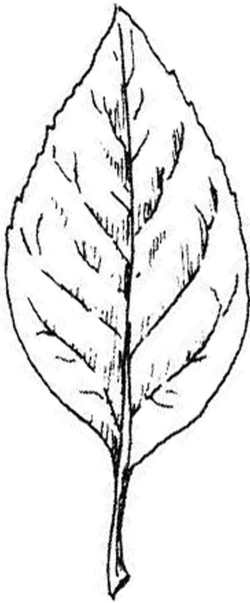
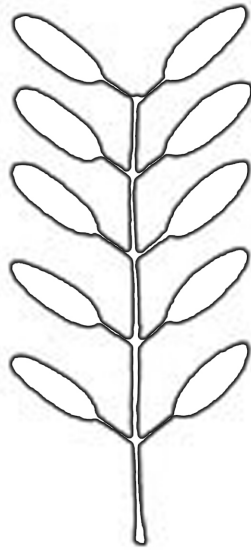


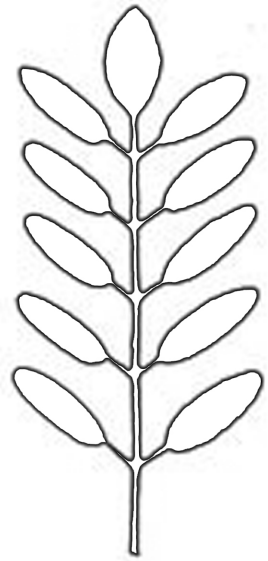
LEAF COMPLEXITY



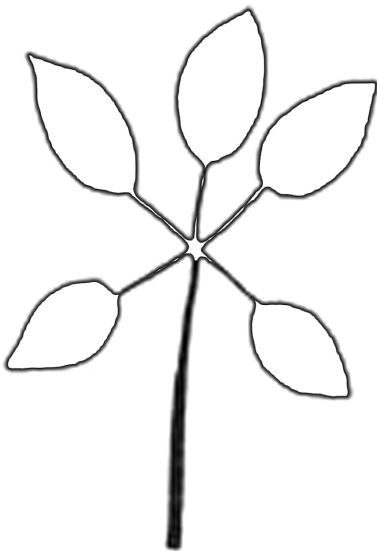
Simple



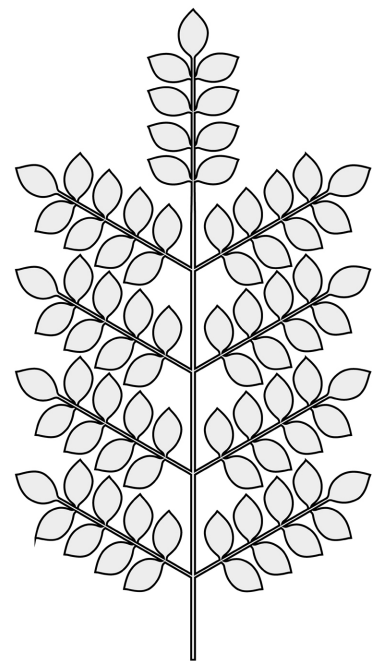
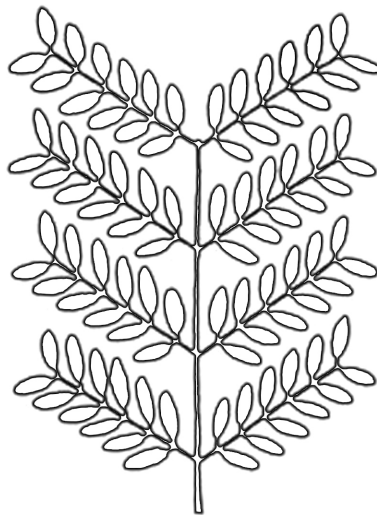
**Even pinnate
(Paripinnate)**



**Odd pinnate
(Imparipinnate)**

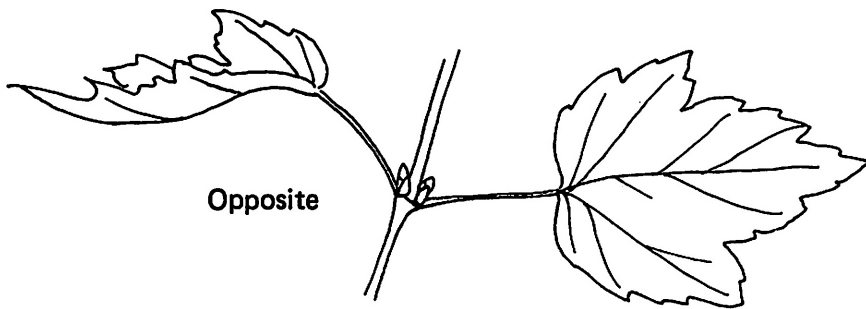


Palmate

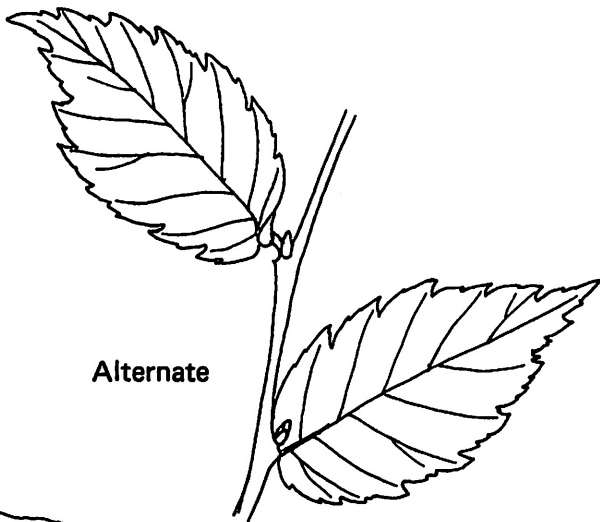


Bipinnate (even, odd)

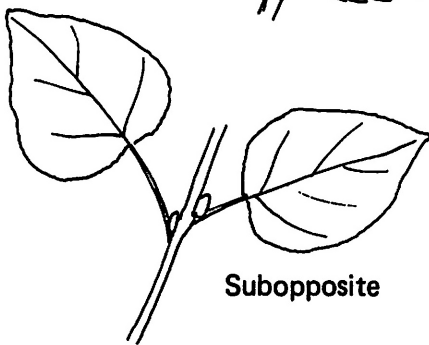
LEAF ARRANGEMENT



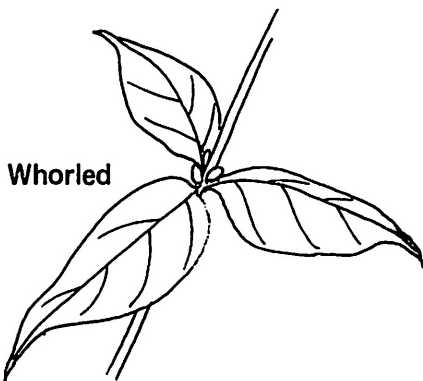
Opposite



Alternate

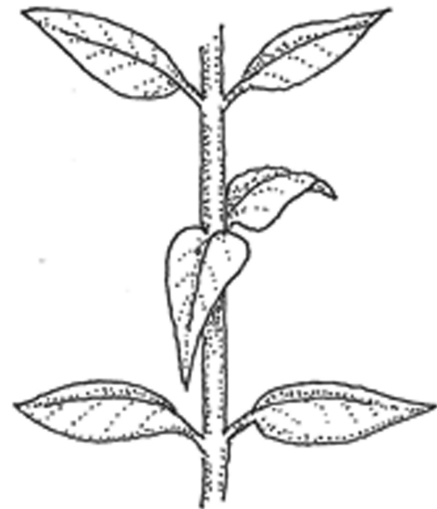


Subopposite

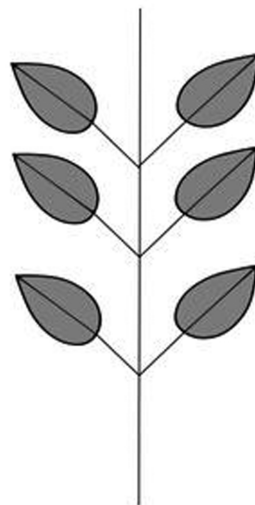


Whorled

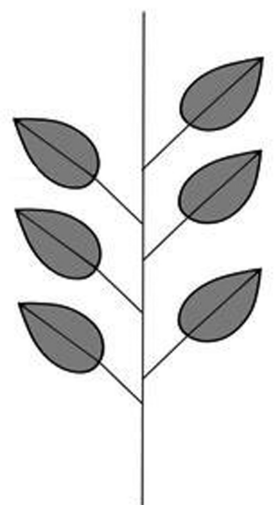
Decussate (2 planes)



Distichous (1 plane)



Opposite
distichous



Alternate
distichous

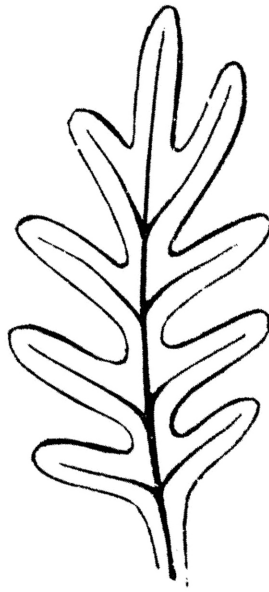
LEAF LOBING

<50%



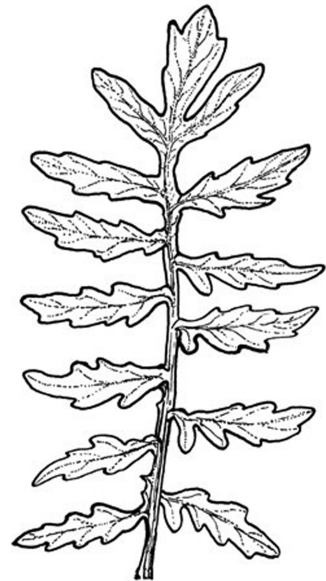
**Pinnately
Lobed**

>50%

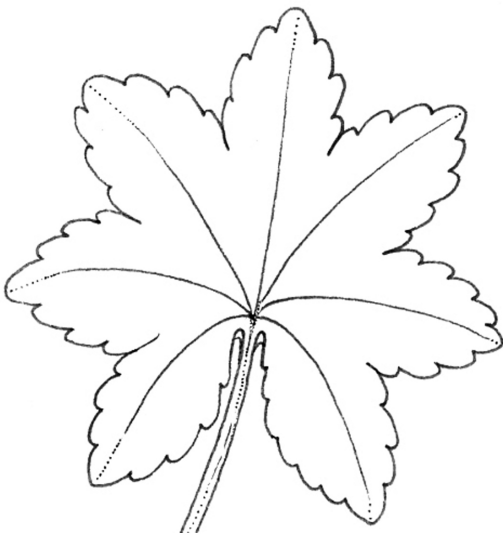


Pinnatifid

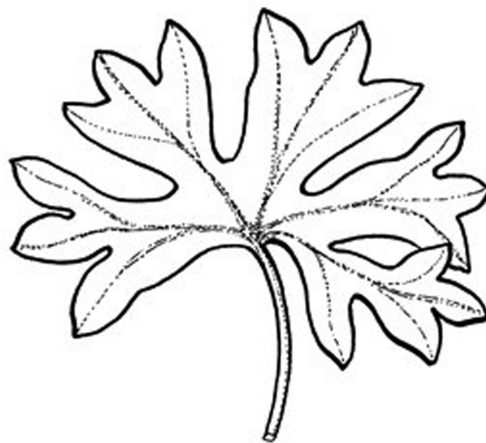
almost 100%



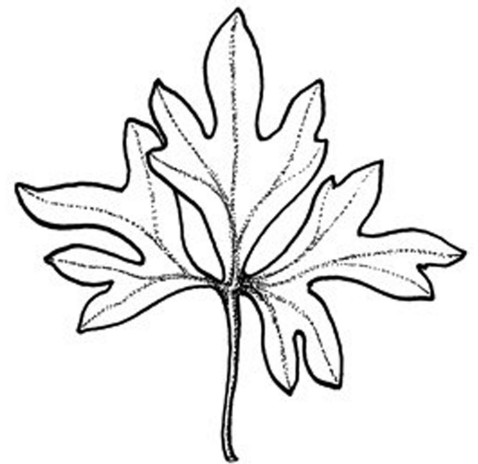
Pinnatisect



**Palmately
Lobed**

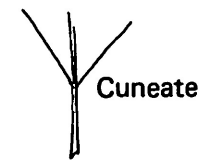


Palmatifid

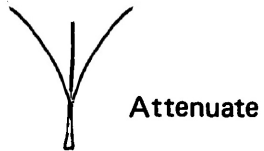


Palmatisect

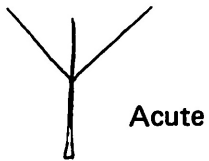
LEAF BASES, MARGINS, APICES



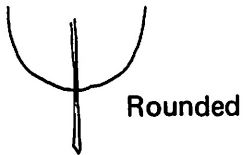
Cuneate



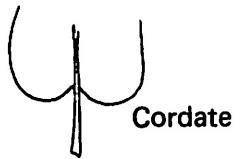
Attenuate



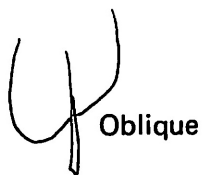
Acute



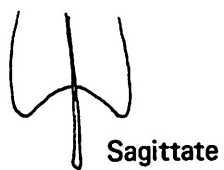
Rounded



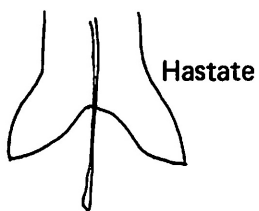
Cordate



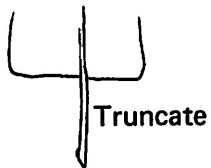
Oblique



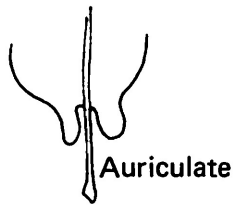
Sagittate



Hastate

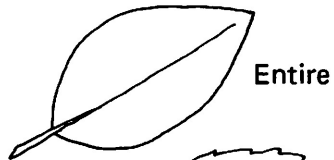


Truncate



Auriculate

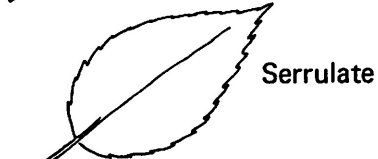
MARGINS



Entire



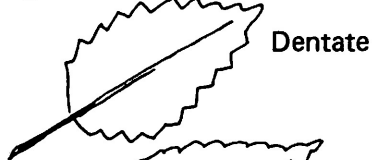
Serrate



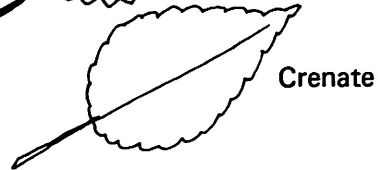
Serrulate



Doubly-Serrate



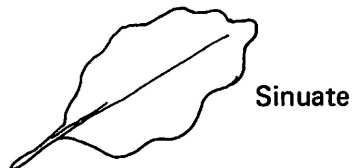
Dentate



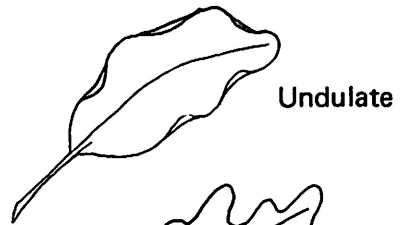
Crenate



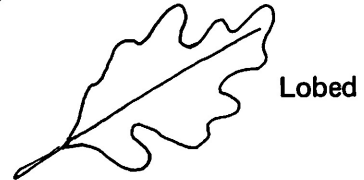
Incised



Sinuate



Undulate



Lobed

APICES



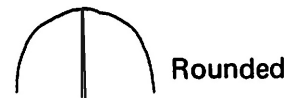
Acuminate



Acute



Obtuse



Rounded



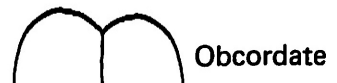
Truncate



Retuse



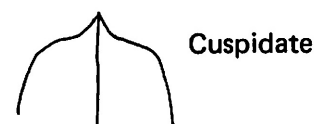
Emarginate



Obcordate

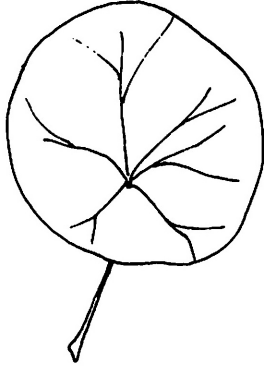


Mucronate

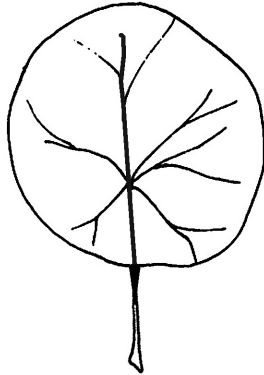


Cuspidate

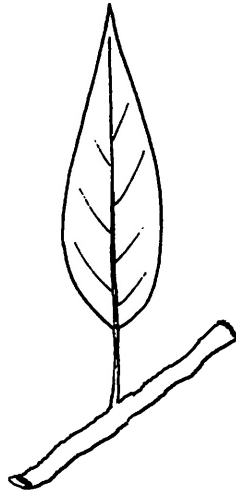
LEAF ATTACHMENT



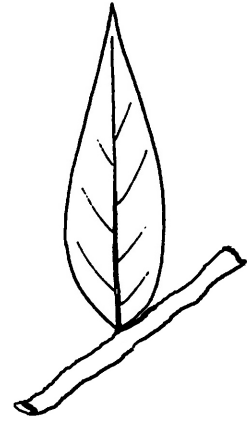
Peltate



Spatulate

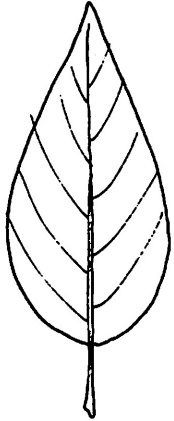


Petiolate



Sessile

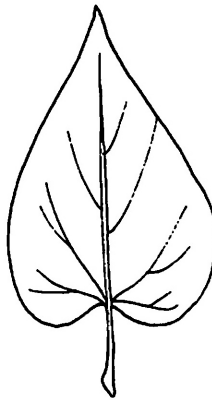
LEAF SHAPES



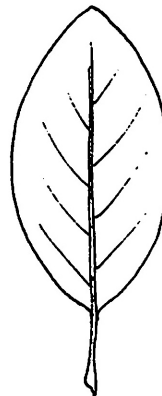
Ovate



Lanceolate



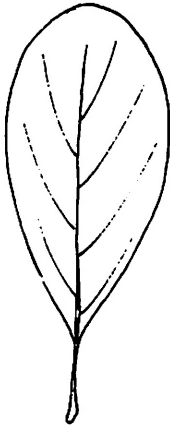
Cordate



Elliptic



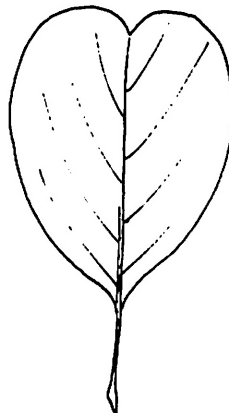
Spatulate



Obovate



Oblanceolate



Obcordate

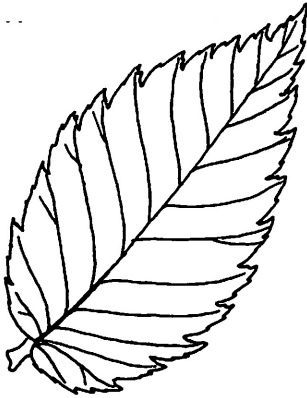


Oblong

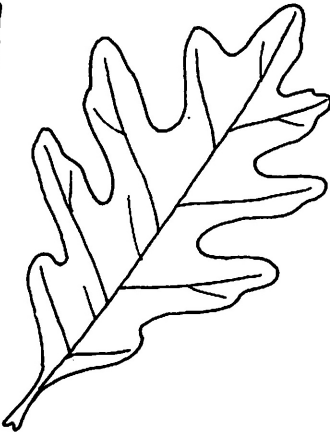


Linear

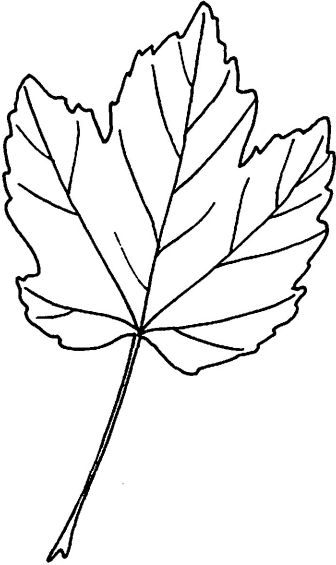
LEAF VENATION



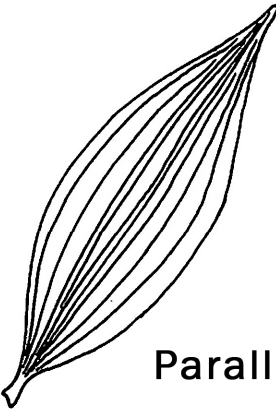
Pinnate



Palmate



Dichotomous



Parallel



Arcuate



Penniparallel



Reticulate