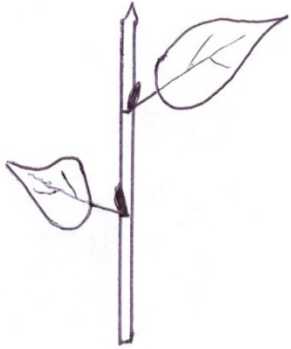
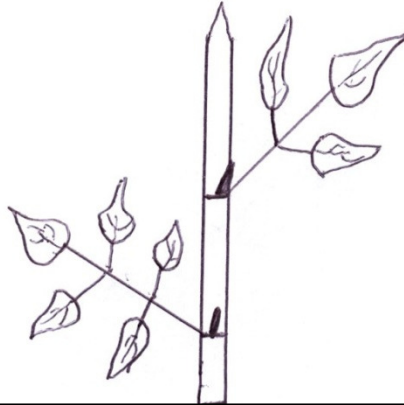


Simple and Compound Leaves

Notice the location of the axillary buds



Simple Leaf: One leaf blade per node

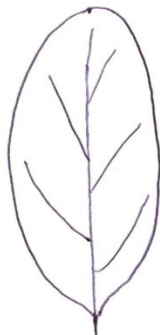


Compound Leaf: More than one leaf blade per node (axillary buds are at the node)

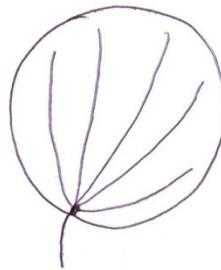
Leaf Shape



Linear



Oval



Round



Triangular

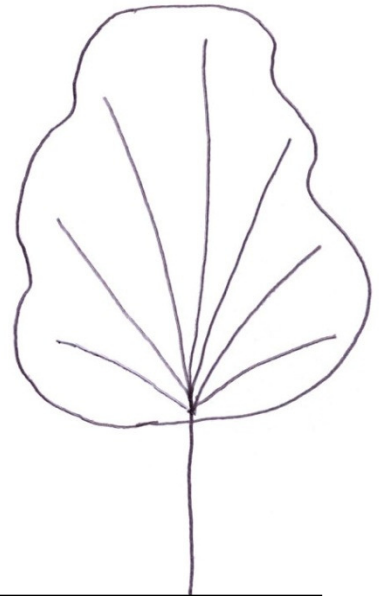
LEAF VEIN



Parallel



**Pinnate
(like fish bones)**



**Palmate
(like your hand)**

Patte

Leaf Edges



**Smooth
(Entire)**



**Wavy
(Undulating)**



**Sharp
Teeth
(Serrated)**



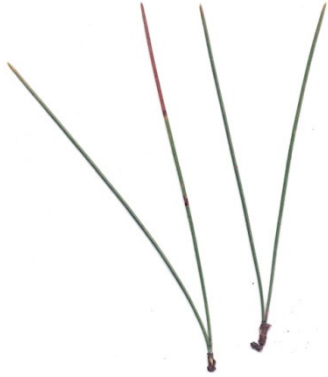
**Lobes with
Sharp Teeth**



**Round Lobes
without Teeth**

Leaf Type

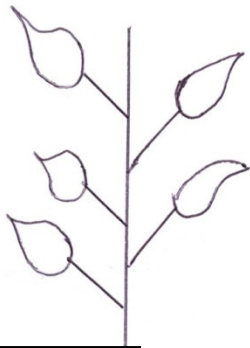
Needle - like



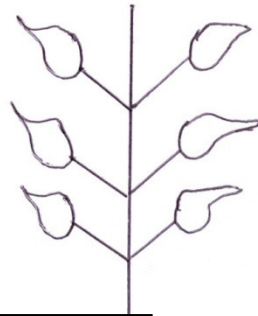
Broad and Flat



Leaf Arrangement



Alternate



Opposite

SUMAC



Sumac: broad -flat leaf; linear shape; compound leaf, sharp leaf edges; pinnate veins

MNLA Handout for Lesson A2

Aspen (*Populus tremuloides*)



Aspen: broad-leaf; alternate; triangular shape, wavy leaf edges, pinnate vein pattern

MNLA Handout for Lesson A2

Honeysuckle (*Lonicera sp.*)



Honeysuckle: broad-leaf, opposite, oval, smooth, pinnate vein pattern

MNLA Handout for Lesson A2

Bridal Wreath Spirea (*Spirea vanhoutii*)



Spirea: Broadleaf, opposite, oval shape, sharp edges, pinnate vein pattern

MNLA Handout for Lesson A2

Red Pine - State Tree of MN

Colorado Blue Spruce



Red Oak

White Oak



Sugar Maple



Sugar Maple: Broadleaf, opposite, triangular to round, palmately veined, lobes with a few points

MNLA Handout for Lesson A2

Boxelder



Boxelder: Broadleaf, opposite, compound (one leaf has 3 leaflets as seen above), oval shape, a few teeth on outer third of leaflets, pinnately veined

MNLA Handout for Lesson A2

Tree Identification Worksheet

Directions: Look at the leaves of the plant samples provided. Write down the name of the tree. Check the most appropriate box for each leaf characteristic. Draw a picture of the leaf .

Sample 1

Name of Tree: _____

1. Leaf type: needle-like broad and flat
2. Leaf arrangement: opposite alternate
3. Leaf shape : linear oval round triangular
4. Leaf edges: smooth wavy sharp teeth
- lobes with sharp teeth round lobes without sharp teeth
5. Vein pattern: parallel pinnate (like fish bones) palmate (like your hand)

Draw a leaf of this tree:

Sample 2

Name of Tree: _____

1. Leaf type: needle-like broad and flat
2. Leaf arrangement: opposite alternate
3. Leaf shape : linear oval round triangular
4. Leaf edges: smooth wavy sharp teeth
- lobes with sharp teeth round lobes without sharp teeth
5. Vein pattern: parallel pinnate (like fish bones) palmate (like your hand)

Draw a leaf of this tree:

Sample 3

Name of Tree: _____

1. Leaf type: needle-like broad and flat
2. Leaf arrangement: opposite alternate
3. Leaf shape : linear oval round triangular
4. Leaf edges: smooth wavy sharp teeth
 lobes with sharp teeth round lobes without sharp teeth
5. Vein pattern: parallel pinnate (like fish bones) palmate (like your hand)

Draw a leaf of this tree:

Sample 4

Name of Tree: _____

1. Leaf type: needle-like OR broad and flat
2. Leaf arrangement: opposite OR alternate
3. Leaf shape : linear OR oval OR round OR triangular
4. Leaf edges: smooth OR wavy OR sharp teeth OR
 lobes with sharp teeth OR round lobes without sharp teeth
5. Vein pattern: parallel OR pinnate (like fish bones) OR palmate (like your hand)

Draw a leaf of this tree: