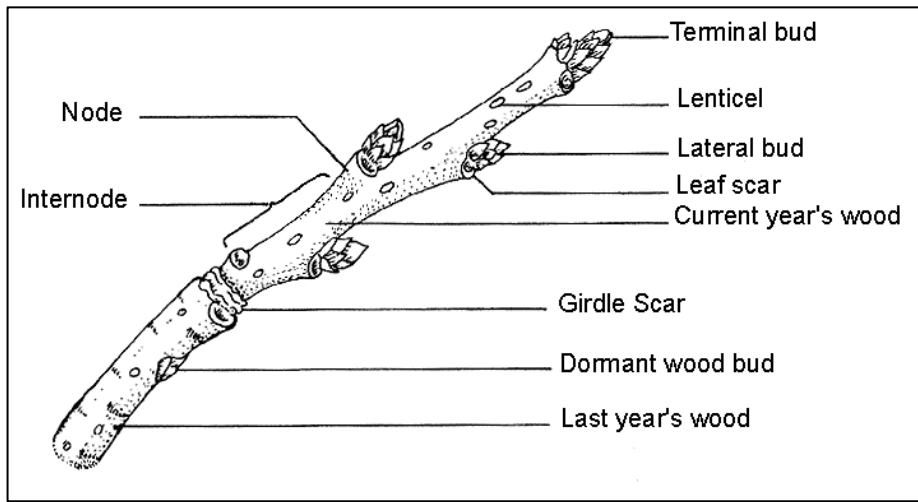


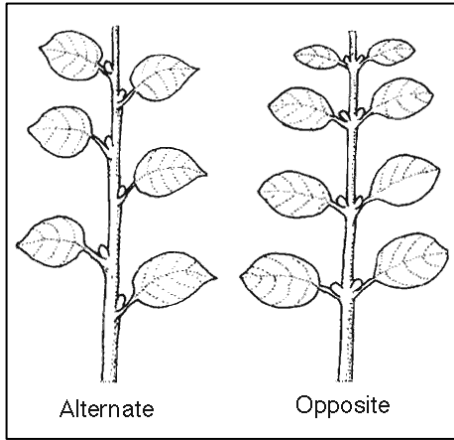


Harvard Forest Tree Field Guide

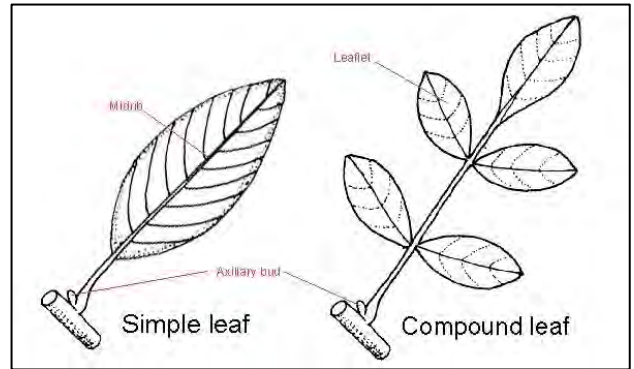
Carey Lang
11/10/2016



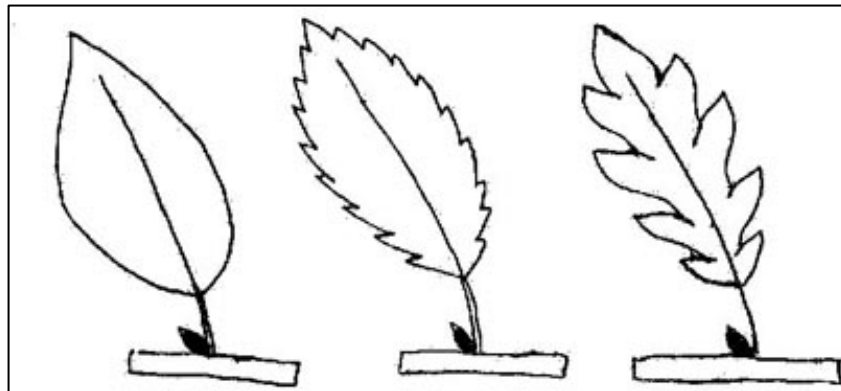
Parts of a twig



Alternate versus opposite leaves



Simple versus compound leaves



Simple leaf

Toothed leaf

Lobed leaf

Deciduous

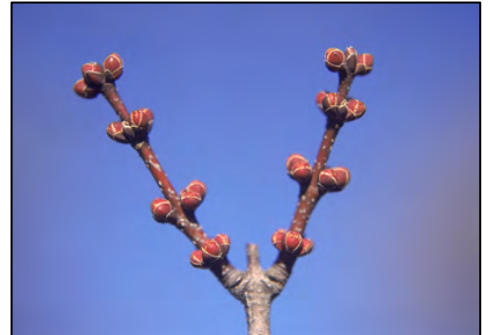
Red Maple (*Acer rubrum*)



V shaped sinuses
Red stem



Mature bark



Opposite branching
Red, round buds

Sugar Maple (*Acer saccharum*)



U shaped sinuses



Mature bark



Opposite branching
Pointy, brown buds

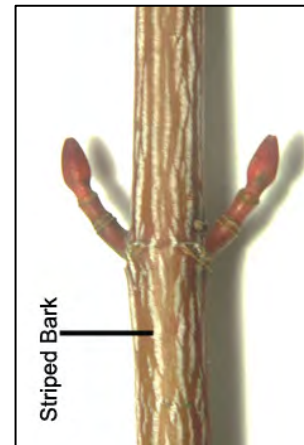
Striped Maple (*Acer pensylvanicum*)



Wide sinuses
Red stem



Striped bark



Opposite branching
Pointy, red buds

American Beech (*Fagus grandifolia*)



Elliptical shaped
Deep veins



Leaves often stay on tree in winter



Smooth bark



Spikey fruit



Alternate branching

White Birch (*Betula papyrifera*)



Double serrated edges



White, peeling bark



Alternate branching
Brownish-green buds

Black Birch (*Betula lenta*)



Double serrated edges



Smooth bark with lenticels



Alternate branching
Wintergreen smell and taste

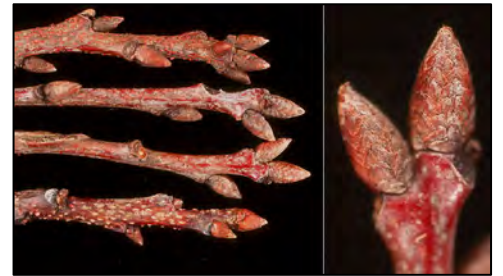
Red Oak (*Quercus rubra*)



7-9 lobes
Sharp



Scaly, reddish-brown bark



Alternate branching
Cluster of buds at branch tip

White Oak (*Quercus alba*)



7-9 lobes
Rounded



Scaly, light grey bark



Alternate branching
Reddish-brown, oval buds

Highbush Blueberry (*Vaccinium corymbosum*)



Glossy leaves



Bark often shreds into strips



Plump red buds

Big-Tooth Aspen (*Populus grandidentata*)



Large blunt teeth
Flattened petiole



Mature bark is dark brown
Juvenile bark is dull greenish-yellow



Alternate branching

Coniferous

Hemlock (*Tsuga canadensis*)



Small, oval needles
Rounded tips to needles
Needles lay flat along branches
Underside of needles have
two parallel white lines



Scaly, brown bark



White “woolly” covering on eggs sacs of the woolly adelgid

White Pine (*Pinus strobus*)



Long, thin needles
pattern on bark
Large, slender cones



Needles are attached in clumps of five
Remember that the word “white” has 5
letters



Small, rectangular block