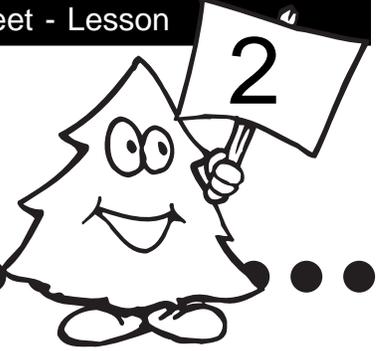


Key to Leaves of Virginia Trees



- I. Leaves broad; definitely not needle-like or scale-like, mostly deciduous
- A. Leaves, buds, branches have opposite arrangement- **maple, ash, dogwood**
 - B. Leaves, buds, branches have alternate arrangement
 - 1. leaves are compound- **walnut, hickories, locust**
 - 2. leaves are simple
 - a. leaves have rounded lobes- **white oaks, sassafras, mulberry**
 - b. leaves have pointed lobes- **red oaks, sycamore, sweet gum, holly**
 - c. leaves have no lobes
 - i. leaves have smooth (entire) margins- **willow oak, live oak, paw-paw, redbud, tupelo, persimmon, magnolia**
 - ii. leaves have toothed margins- **willow, birch, true poplars, birch, beech, hornbeam, chestnut, elm, hackberry, cherry, sourwood, basswood.**
- II. Leaves needle-like (pines) or scale-like (cedar)
- A. needles in clusters or bundles (pines)
 - 1. 5 needle clusters - **white pine**
 - 2. 3 needle clusters - **loblolly pine, pitch pine**
 - 3. 2-3 needle clusters - **shortleaf pine**
 - 4. 2 needle clusters - **Virginia pine**
 - B. needles appear singly, not in clusters
 - 1. needles 4-sided, roll between fingers - **spruce**
 - 2. needles 2-sided, do not roll - **eastern hemlock**
 - 3. needles feather-like, found growing in swamps - **cypress**
 - C. needles are scale-like, overlapping to make branches that look flat.
 - 1. fruit a berry-like cone - **redcedar**
 - 2. fruit like a small pine cone - **white cedar**