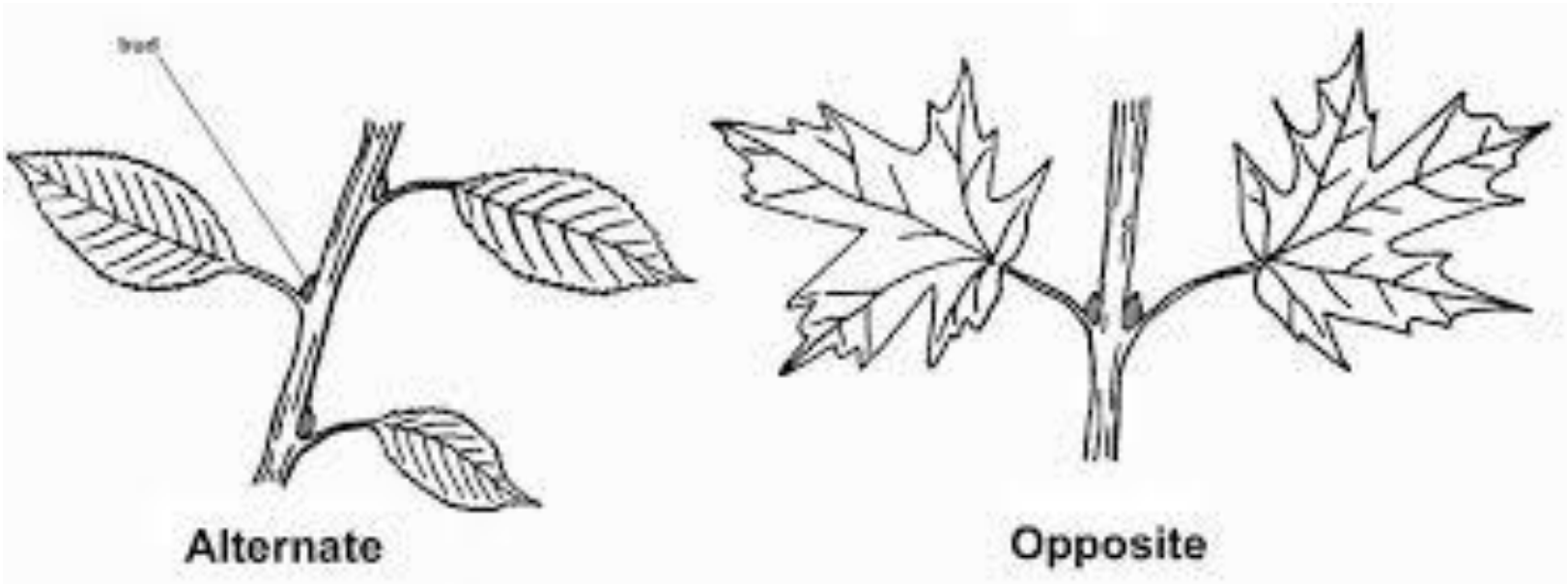
Tree Leaf Terminology Deciduous Tree id

Audio Included

Branching pattern

detectable only when you are standing in front of the tree

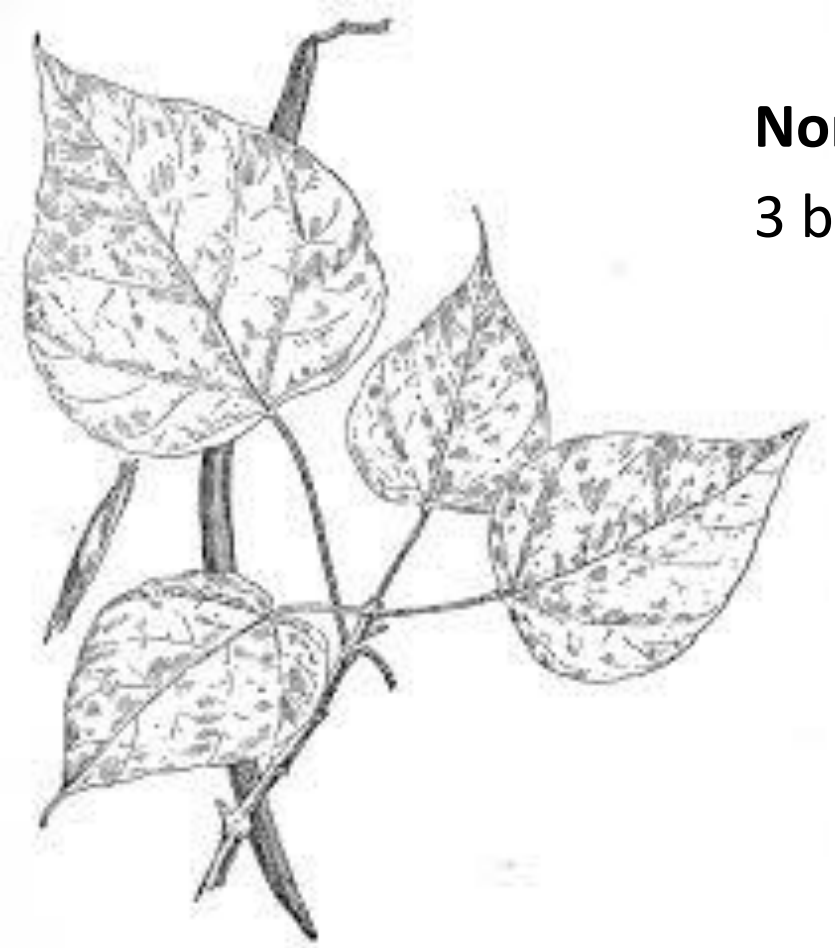
Alternate (most common) **Opposite (diagnostic)**



one leaf per node

two leaves per node

Whorled branching - really unusual



Northern Catalpa

3 branches off each node

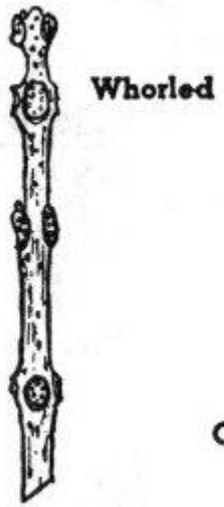
Alternate branching

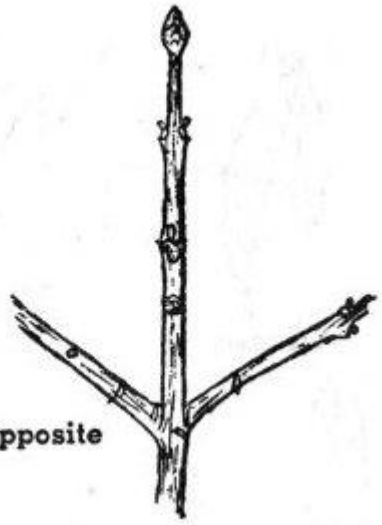
This usually applies to branch-branching as well as leaf branching

The most common alternate-branching deciduous trees around here ...

What are they?
hint: they're all the same genus

MADog: Opposite branching





Maple

Ash

Dogwood

opposite branching

with U-shaped sinuses

with V-shaped sinuses

What are they?

another *alternate* branching - not a Maple

guesses?

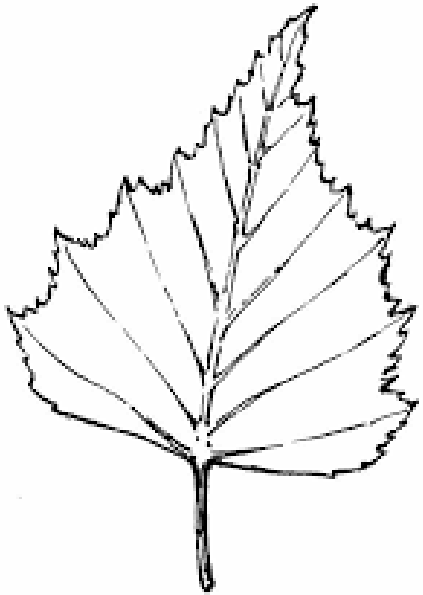
another one with opposite branching

What was that mnemonic?

Basic leaf structure

Simple:

blade is solid

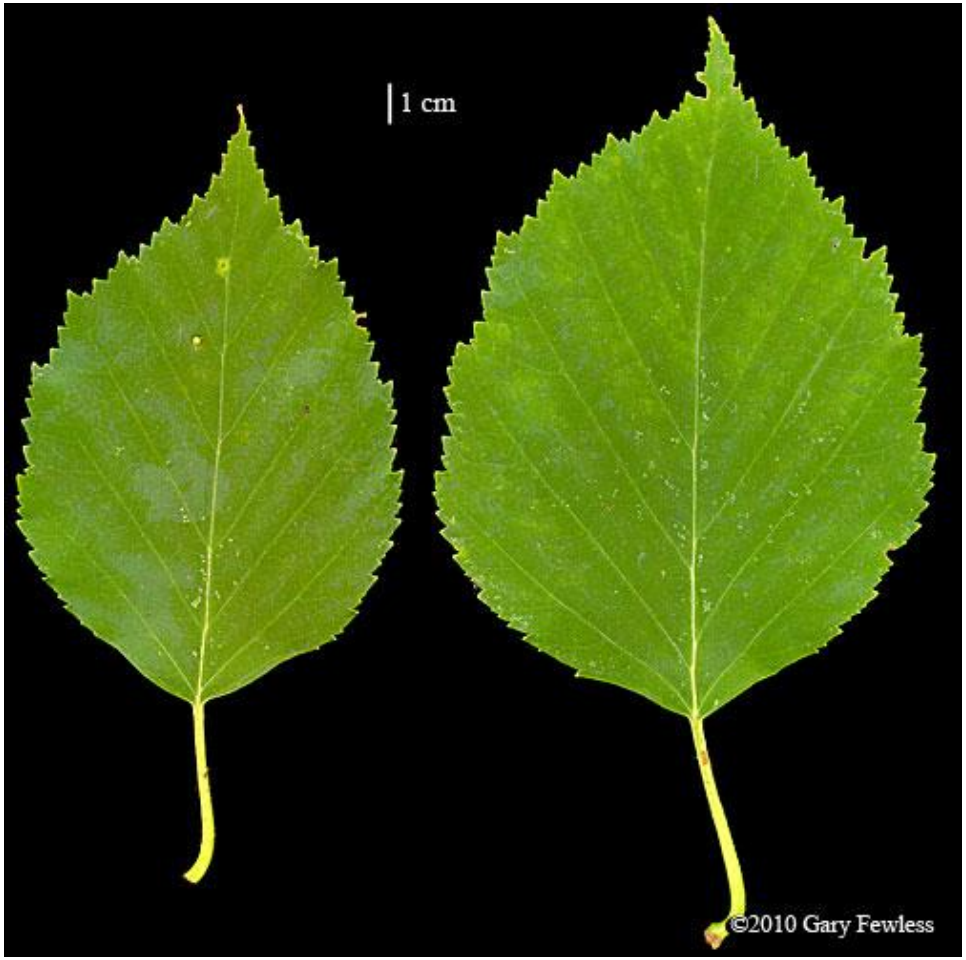


Compound: blade of leaf is composed of many leaflets

alternate and simple

guesses?

These are very common and right out by the BHS main entrance!



The leaf edge (of simple leaves)

Entire:

no breaks in the edge

Lobed: edge is broken with sinuses

Where else do you have lobes?

alternate branching

Alternate, simple, and lobed, oh, and each lobe ends in a bristle

Alternate, simple, and lobed.
This one, too, each lobe ends in a bristle,
but the sinuses aren’t as deep

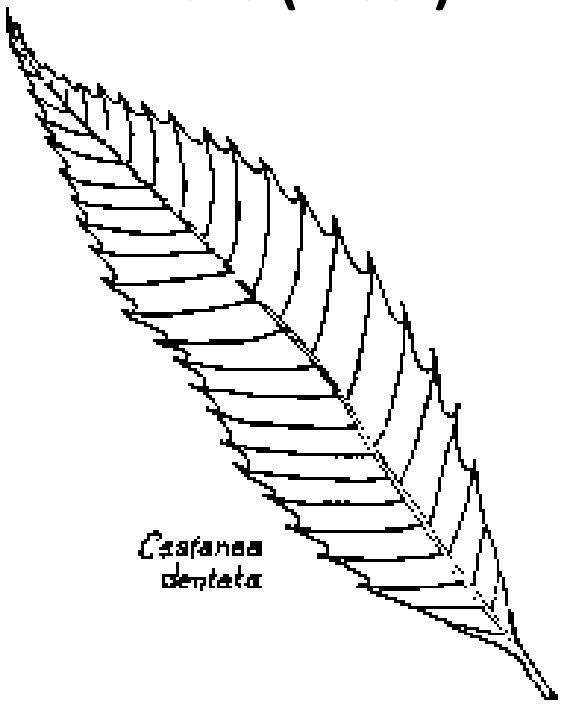
Ah, this one has rounded lobes!
(p.s. like a snowball)

What's the color of a fresh snowball?

What's the name of this tree?

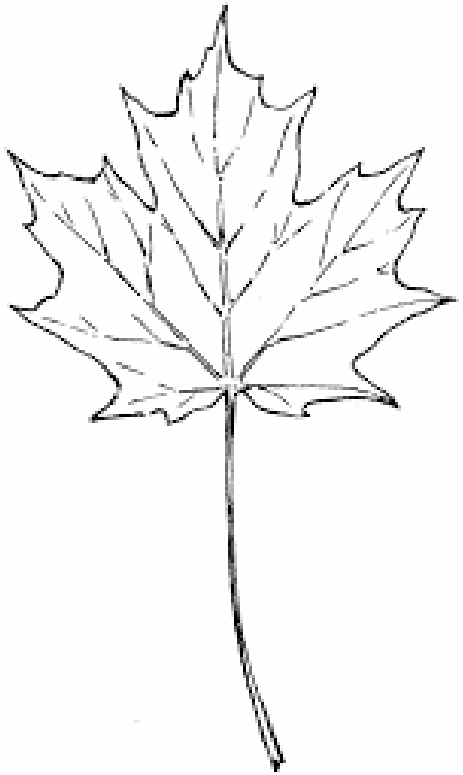
Vein patterns

Pinnate (most)



like the vanes of a feather.

Palmate

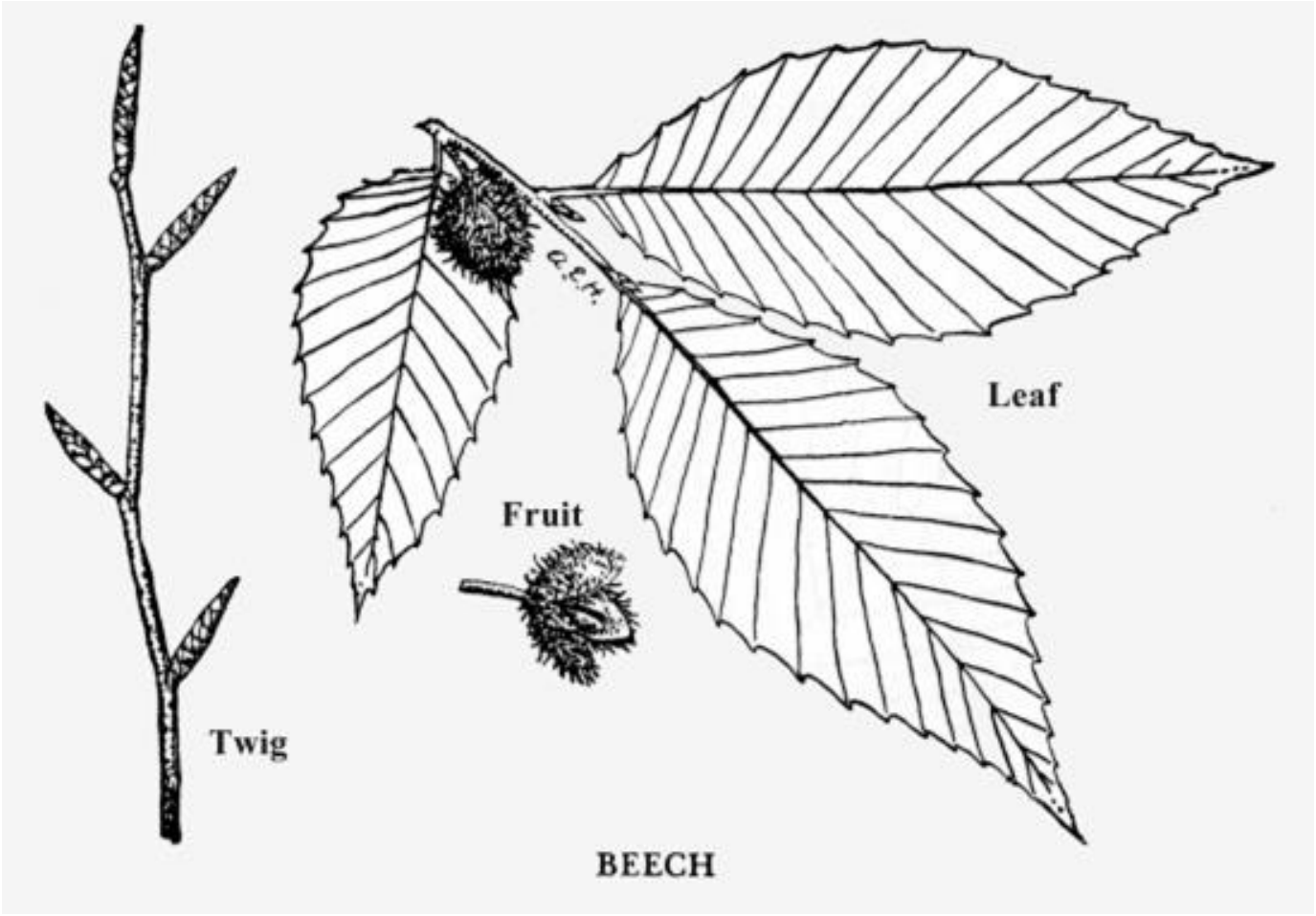


Parallel … super uncommon among trees

If I tell you this was from a tree that had alternate branching, and this is a single leaf, What else could you say about the leaf that might help you id this tree?

Beech

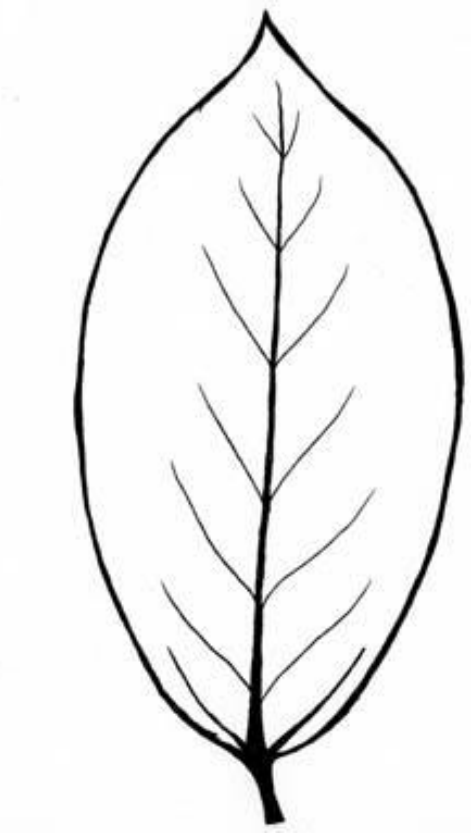
Alternate branching, simple leaves that are entire, with pinnate veins, each vein ending in a single tooth



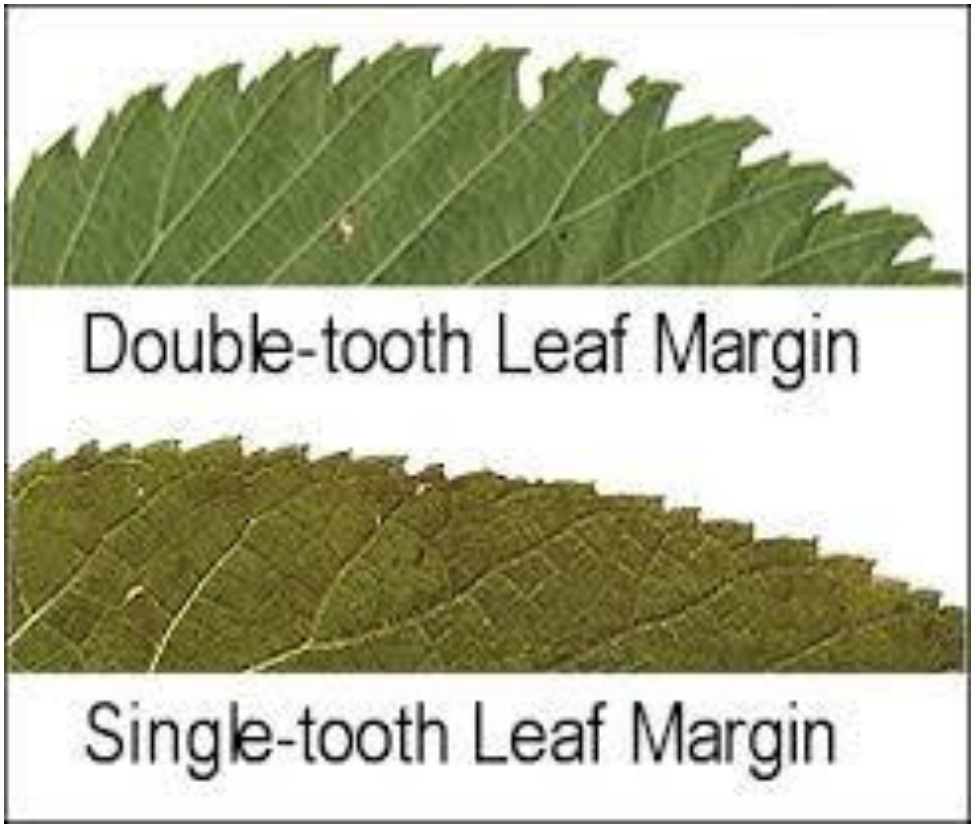
Leaf Margin

Toothed (most trees)

Smooth



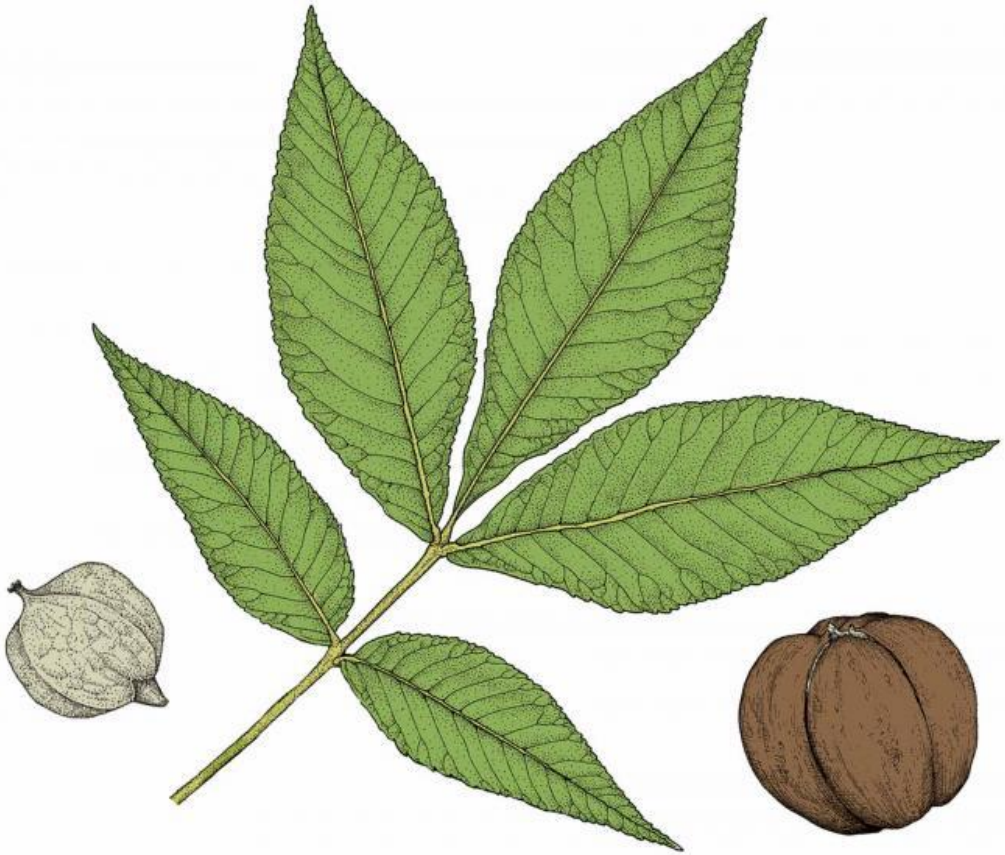
Wavy, double-toothed … next slide



Oh, that I could ever bear,
green, entire, and wavy
… that's a _____

opposite branching

What's this?



If I tell you this was from a tree that had alternate branching, and this is a single leaf,
What else could you notice that might help you id this tree?

Audio Included

Dendrology: a skill you can learn

Audio Included

Trees:
To know them is to know where you stand