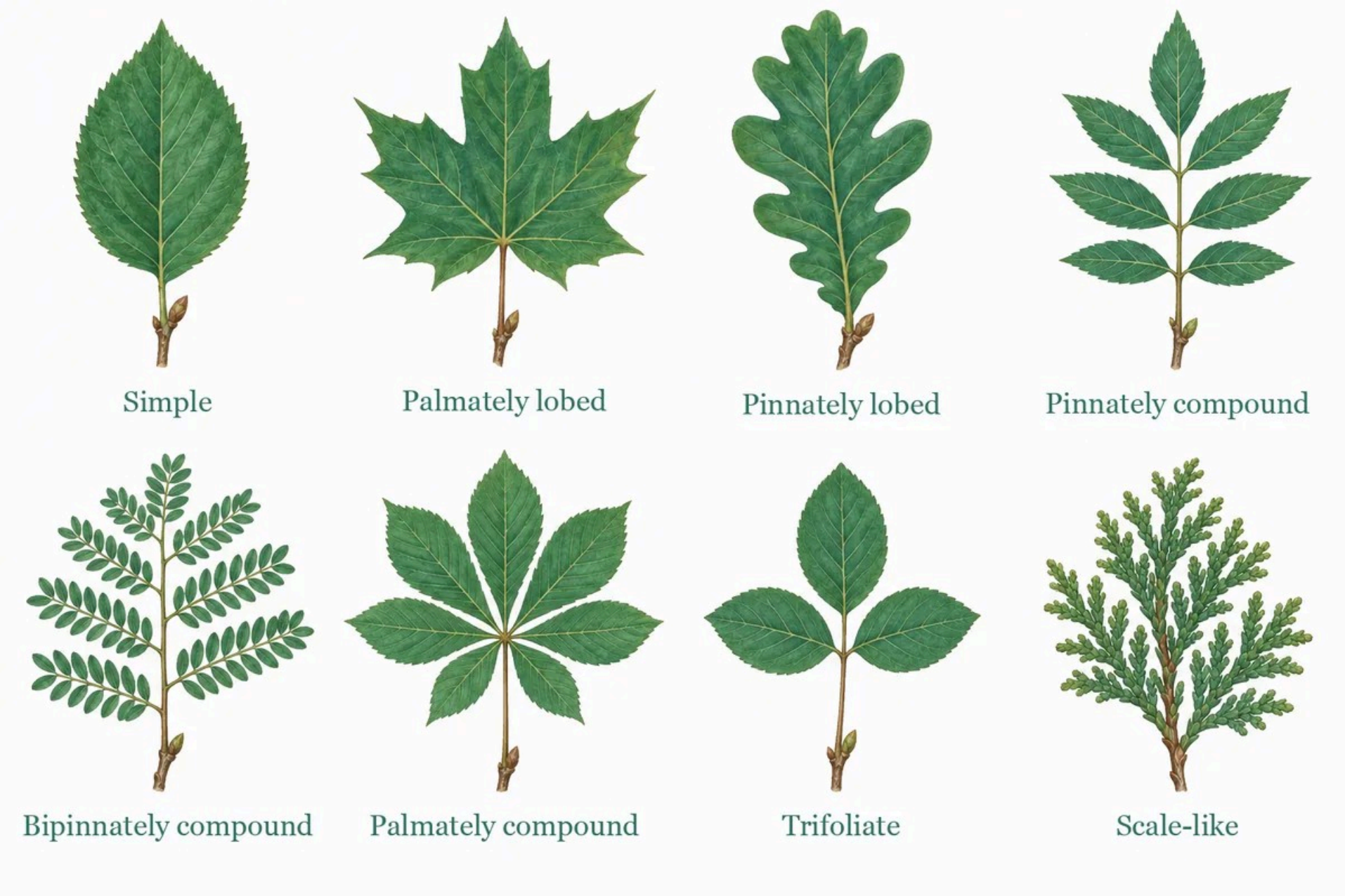
Leaf types

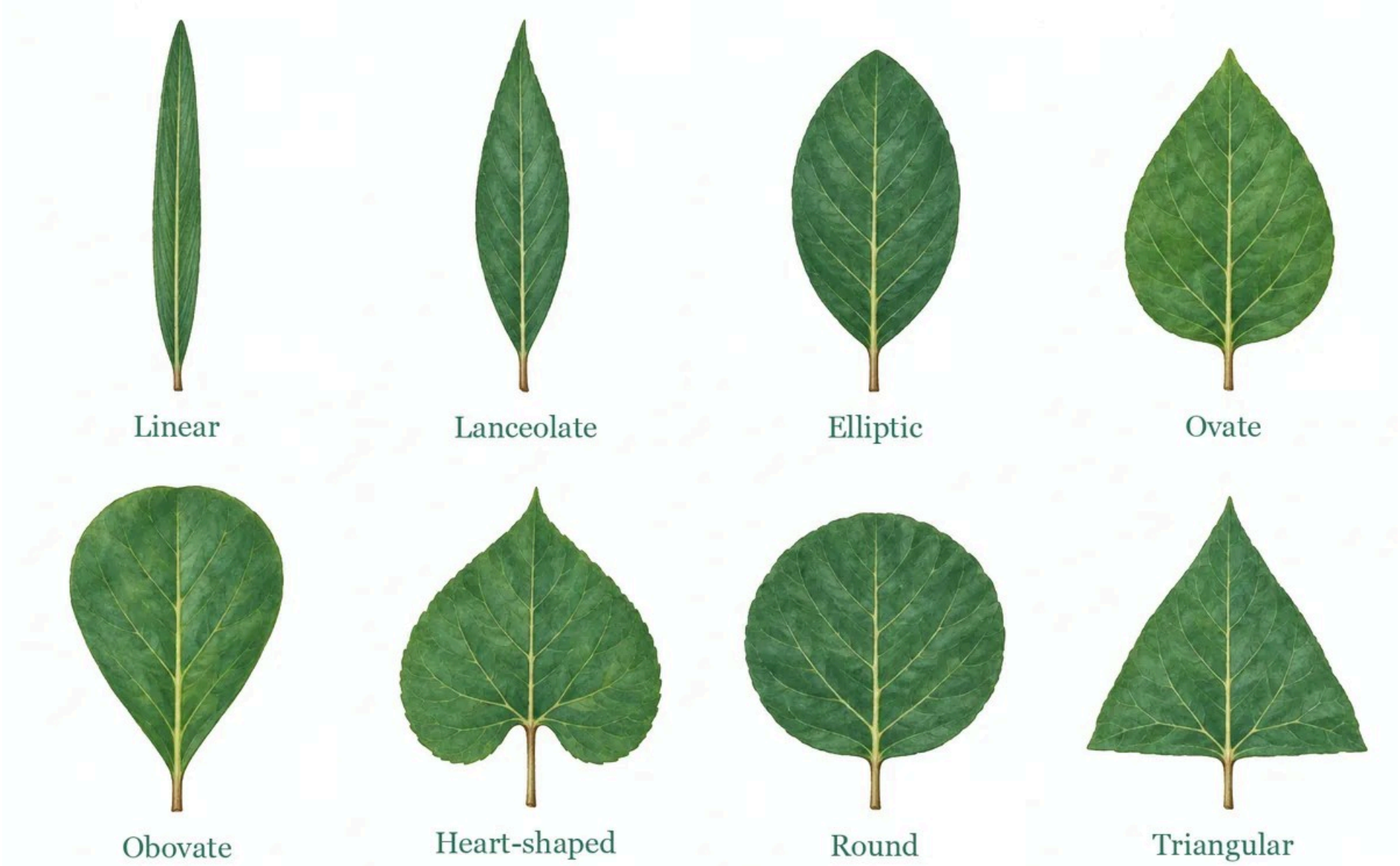
The eight leaf types, from one undivided blade to leaflets and scales.



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Leaf shapes

Eight leaf outlines, from linear to triangular.



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Leaf edges

Six leaf edges, from smooth to saw-toothed, round-toothed and wavy.



Entire



Serrate



Doubly serrate



Dentate



Crenate



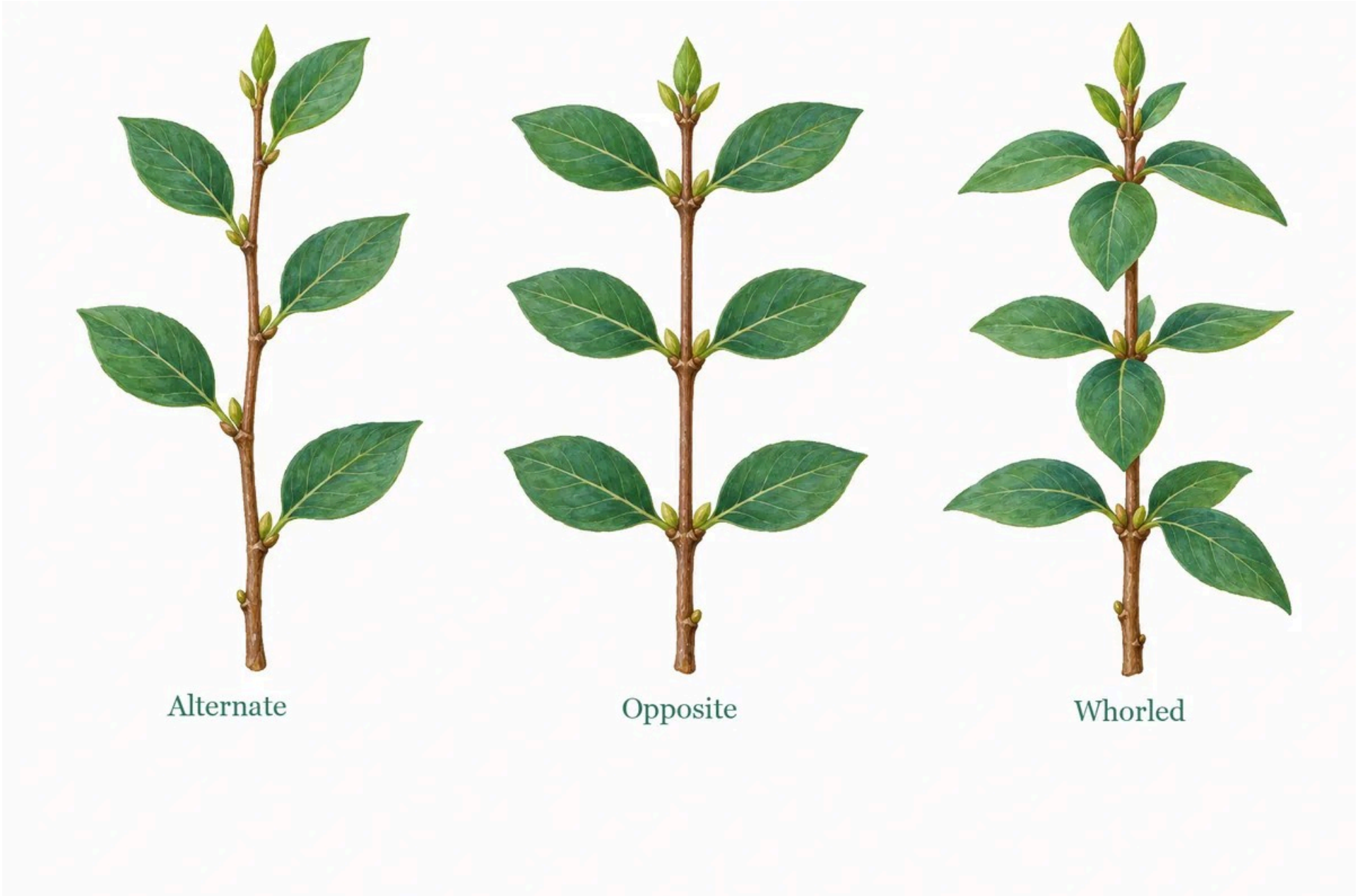
Wavy

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Leaf arrangement

Three ways leaves are set on a twig: one per node, two per node, three or more per node.



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Trees with compound leaves

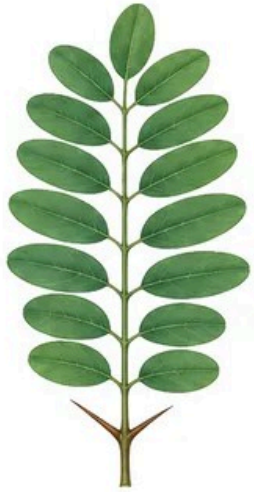
Eight trees with compound leaves. Toothed leaflets: ash, rowan, black walnut, boxelder. Smooth-edged leaflets: black locust and English walnut. Tree of heaven has one or two teeth at the base of each leaflet; honey locust has many tiny leaflets and no end leaflet.



Ash



Rowan (mountain ash)



Black locust



Honey locust



Tree of heaven



English walnut



Black walnut



Boxelder

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Common North American tree leaves

Twelve common North American tree leaves. Check the edge and the base first: one tooth per vein on American beech, a lopsided base on elm and basswood, bristle tips on red oak lobes and none on white oak.



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Tree bark of North America

Twelve barks of mature North American trees at chest height. Young trees often have smoother bark, and many honey locusts planted in yards and streets are thornless.



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Conifer needles

Check how the needles attach: in sheathed bundles on pines, in tufts on larch, singly on woody pegs on spruce and on round bases on fir.



Pine (2 needles)



White pine (5 needles)



Spruce



Fir



Douglas fir



Hemlock



Larch



Cedar



Yew

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Winged seeds

Maples carry two wings joined at the seeds; ash, elm and tree of heaven carry one wing per seed, as a paddle, a round wafer or a twisted strap.



Sycamore maple



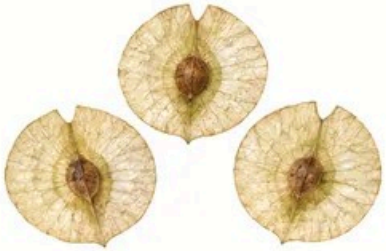
Norway maple



Field maple



Ash



Elm



Hornbeam



Linden (lime)



Tree of heaven



Pine

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Acorns

English oak's acorns hang from a long stalk; bur oak's cap ends in a long fringe that covers about half of the nut.



English oak



Sessile oak



Red oak



White oak



Bur oak



Turkey oak



Pin oak



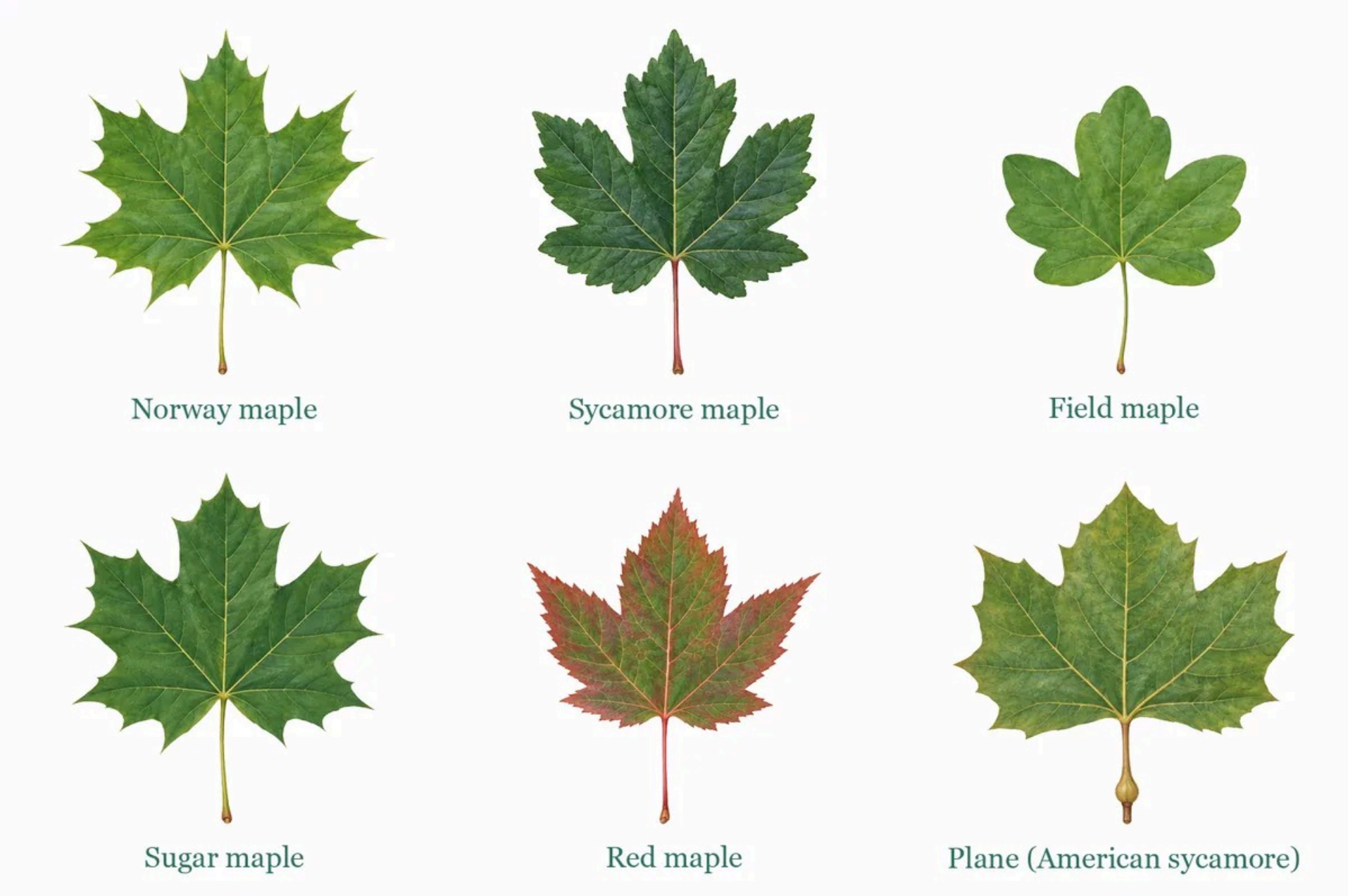
Holm oak

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Maple leaves

Norway maple ends its lobes in long fine points, sugar maple has a few large points and U-shaped sinuses, and red maple has three finely toothed lobes.



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Leaf walk worksheet

Collect one leaf from each of three different trees. Tape it in the box or trace around it, then tick what you see. Compare it with the charts to name the tree.

Name: _____ Date: _____

Tape or trace the leaf here

Where I found it: _____

Leaf type: ☐ simple ☐ compound ☐ needle or scale

Edge: ☐ smooth ☐ toothed ☐ wavy

On the twig: ☐ alternate ☐ opposite

Tree name: _____

Tape or trace the leaf here

Where I found it: _____

Leaf type: ☐ simple ☐ compound ☐ needle or scale

Edge: ☐ smooth ☐ toothed ☐ wavy

On the twig: ☐ alternate ☐ opposite

Tree name: _____

Tape or trace the leaf here

Where I found it: _____

Leaf type: ☐ simple ☐ compound ☐ needle or scale

Edge: ☐ smooth ☐ toothed ☐ wavy

On the twig: ☐ alternate ☐ opposite

Tree name: _____

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