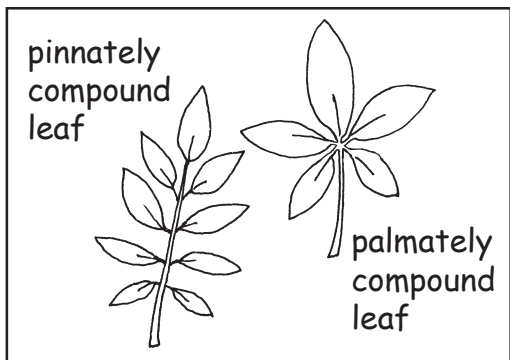
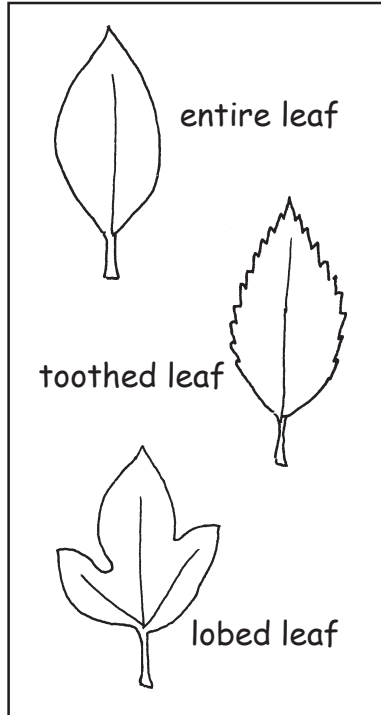
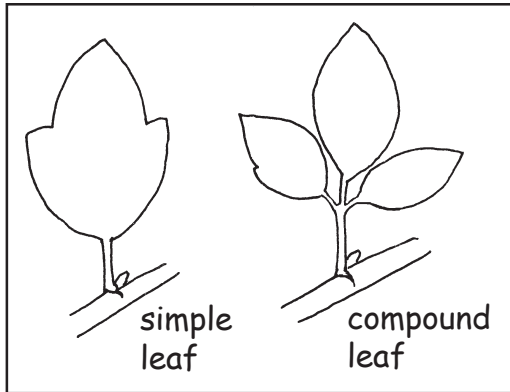
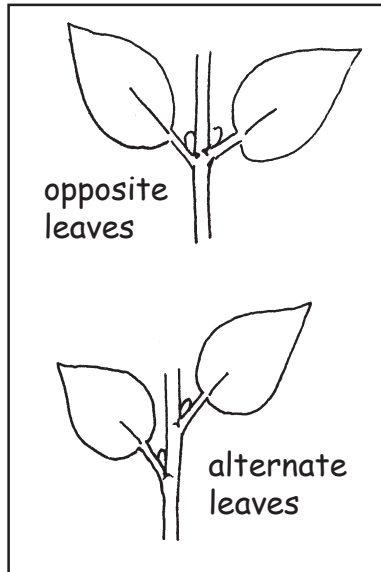
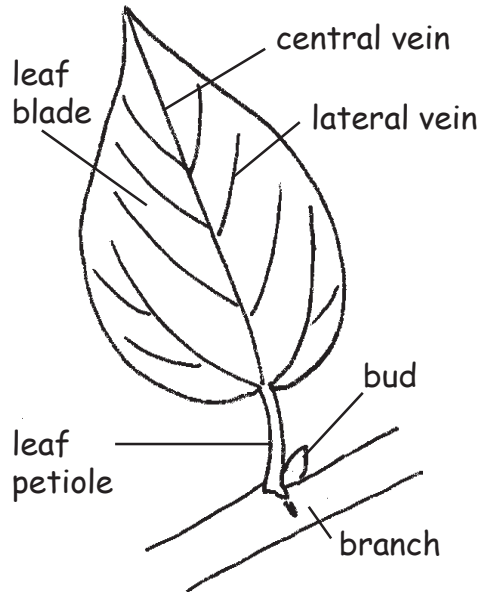


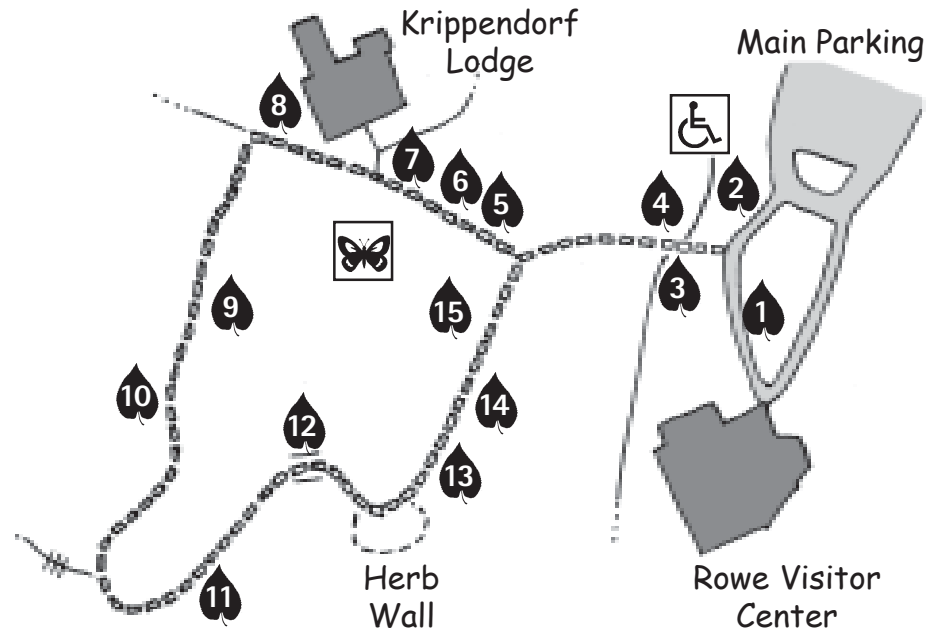
# Leaf Parts and Definitions

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## Tree Trail

Rowe Woods is home to more than 60 species of native trees and shrubs. In addition, many non-native and ornamental varieties were introduced during CNC's horticultural past. The Tree Trail, along with this tree key, will help you identify 15 of Ohio's native tree species.



### Helpful tips for using this tree key:

1. See leaf definitions on back.
2. Please do not pick leaves or break branches.
3. Examine several leaves or branches, not just one, when looking at specific features.
4. This key is designed for marked trees ONLY. To identify other tree species, a more extensive key is needed. Please stop at the Visitor Service desk for more information on tree keying.

# Tree Key

To use this dichotomous key, choose a or b for each number.  
("1a or 1b," "3a or 3b," "5a or 5b," etc.)

1a. Leaves are sharp and scale-like.

(**Red Cedar**, *Juniperus virginiana*)

1b. Leaves are broad and flat. go to 2

2a. Leaves are opposite. go to 3

3a. Leaves are simple.

Leaves are entire.

(**Flowering Dogwood**, *Cornus florida*)

Leaves are toothed and lobed.

(**Sugar Maple**, *Acer saccharum*)

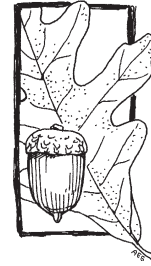
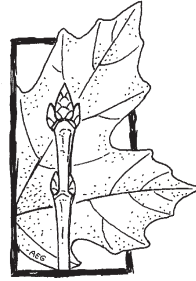
3b. Leaves are compound.

Leaves are palmately compound.

(**Ohio Buckeye**, *Aesculus glabra*)

Leaves are pinnately compound.

(**White Ash**, *Fraxinus americana*)



7b. Leaves are lobed; may or may not have teeth. go to 8

8a. Leaf usually has 4 distinct lobes and a long petiole

(**Tuliptree**, *Liriodendron tulipifera*)

8b. Leaf has multiple lobes on either side of central vein.

Tip of lobes are angular, with fine bristle tips.

(**Red Oak**, *Quercus rubra*)

Tip of lobes are rounded, without bristle tips.

(**White Oak**, *Quercus alba*)

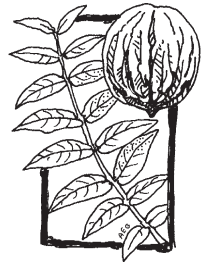
4b. Leaves are compound.

Leaflets usually number 11 or more; terminal leaflet, if present, not largest.

(**Black Walnut**, *Juglans nigra*)

Leaflets usually number 5; terminal leaflet largest; shaggy bark.

(**Shagbark Hickory**, *Carya ovata*)



2b. Leaves are alternate. go to 4

4a. Leaves are simple. go to 5

5a. Leaves are entire. go to 6

6a. Leaves are palmately veined; leaf is distinctly heart-shaped.

(**Eastern Redbud**, *Cercis canadensis*)

6b. Leaves are pinnately veined, leaves are not heart-shaped.

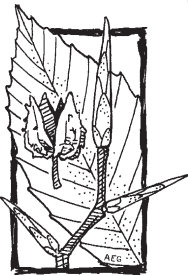
Mature leaves are large, 20 cm (8 in.) or more.

Leaf has a "oily rag" smell if pressed.

(**Pawpaw**, *Asimina triloba*)

Mature leaves are less than 20 cm (8 in.); branches often grow at right angles from trunk.

(**Tupelo or Black-gum**, *Nyssa sylvatica*)



5b. Leaves are toothed and/or lobed. go to 7

7a. Leaves are not lobed; leaves are toothed.

Each lateral vein ends in a tooth; bark is smooth and gray.

(**American Beech**, *Fagus grandifolia*)

Lateral veins do not clearly end in a tooth; leaf has many more teeth than veins; bark has warty bumps.

(**Hackberry**, *Celtis occidentalis*)

## Answer Key

1	Red Cedar	8	Flowering Dogwood
2	Black Walnut	9	Eastern Redbud
3	White Oak	10	Shagbark Hickory
4	Pawpaw	11	Ohio Buckeye
5	American Beech	12	Tuliptree
6	Red Oak	13	Sugar Maple
7	Hackberry	14	Blackgum
15	White Ash		

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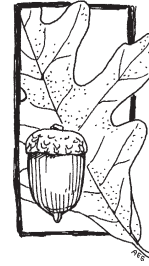
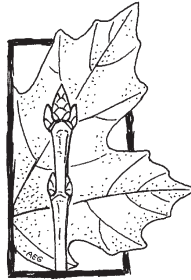
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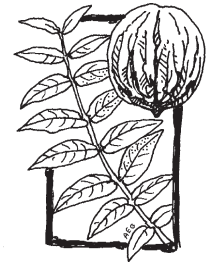
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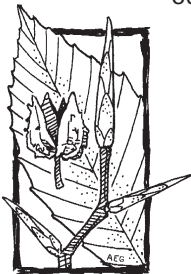
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