

Oaks

42. a. Leaf rounded lobes with no spines at tips; bark light gray to white go to 43
 b. Leaf with pointed lobes, spines at tips; bark dark gray to black go to 46

White Oak Group

43. a. Leaf wavy, margin saw-toothlike; twigs fine; bark almost yellow; small acorn chinkapin oak
 b. Leaf edges entire, lobes rounded go to 44

44. a. Lobes almost uniform, small; bark light gray, flakes into plates near top of tree; large acorn white oak
 b. Lobes vary in width on the leaf go to 45

45. a. Leaf thick and leathery; two broad side lobes making leaf look cross-shaped; thick branches; small acorn post oak
 b. Large leaf, lobes wider above middle and deeply indented (almost to midrib); corky twigs; fringed cap covers most of very large acorn bur oak

Red Oak Group

46. a. Leaf narrow, elliptical, entire with spine at apex, shiny upper surface; small to medium acorn shingle oak
 b. Leaf broad and lobed with spines at apex go to 47

47. a. Leaf thick and leathery; top bell-shaped with up to 3 broad lobes; keeps dead lower limbs, small acorn blackjack oak
 b. Not as described above go to 48

48. a. 5-7 single lobes extending two-thirds or more to midrib; lower limbs point down; acorn with dark stripes pin oak
 b. Lobes with smaller lobes on them (double lobed) go to 49

49. a. 5-9 primary lobes with nearly circular sinuses between lobes; acorns with concentric rings at tip scarlet oak
 b. Lobes evenly spaced along leaf go to 50

50. a. 7-10 lobes go only 1/4 to 1/2 way to midrib; bark gray to black throughout tree; inner bark orange; bud star-shaped black oak
 b. 7-10 lobes go 1/2 way or more to midrib; white "stripes" on bark; inner bark pink northern red oak

Appendix B: Glossary (partially illustrated)

B.1. Leaf details

Leaf types

Evergreen—leaves that remain on year-round; shortleaf pine, for example
 Deciduous—leaves fall during certain seasons of the year; maple, for example

Leaf arrangements

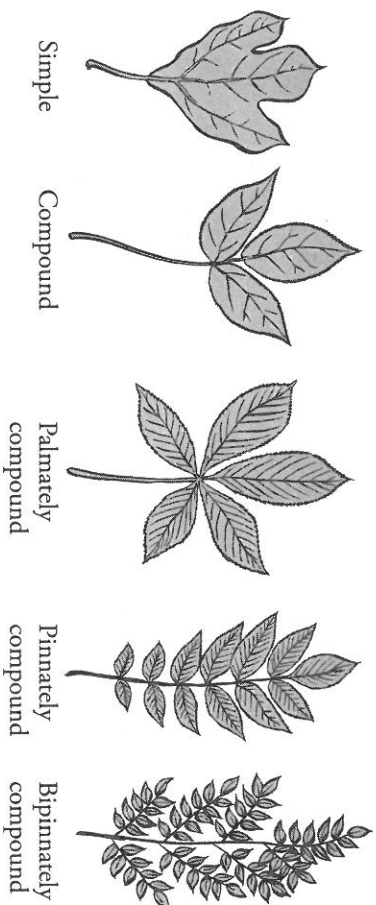


Opposite—buds arranged across from one another



Alternate—buds arranged in alternate positions along the stem

Leaf composition



Simple

Compound

Palmately compound

Pinnately compound

Bipinnately compound

Leaf orientation

Apex—tip, top end
 Base—bottom end
 Above—face
 Beneath—underside
 Axis—central stalk of a compound leaf