A key to the oak species of Maryland based upon mature leaves exposed to full sunlight Lamina margins sinuate, dentate, or shallowly to deeply lobed; lobes and apices without awns; Lamina margins entire, or shallowly to deeply lobed; lobes and apices with awns; secondary White Oaks 1. Lamina margin sinuate or dentate, with a lobe or point for each parallel secondary vein reaching the margin; sinuses less than one-eighth distance to midvein(2) 1. Lamina with well-defined deep lobes; each secondary vein not ending in a lobe; one or more sinuses extending more than one-quarter distance to the midvein(5) 2. Lamina with many secondary veins (9 or more); base truncate, obtuse to rounded (3) 3. Lamina dentate, with acute apices(4) 4. Lamina base obtuse to truncate; yellowish-green pubescent or glabrous below . Q. michauxii 5. Lamina glabrous below(6) 5. Lamina tomentose below(7) 6. Lamina with wide lobes and spreading sinuses; lobe apices acute to obtuse Q. lyrata 7. Lamina mostly elliptical; sinuses extending one-quarter to one-half distance to the midvein O. bicolor

Red and Black Oaks

| 1. 1. | Petioles predominantly less than 20(-25)mm long |
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| 2. 2. | Lamina lacking lobes; apex terminating with a terminal awn |
| 3. 3. | Lamina narrowly elliptical to linear |
| 4. 4. | Lamina deeply lobed throughout; obovate, ovate to narrowly ovate in outline <i>Q. ilicifolia</i> Lamina shallowly lobed, and only distally; obovate to oblanceolate in outline |
| | Lamina obovate in outline, almost as wide as long |
| 6. 6. | Lamina usually with 1–2(–3) awn per lateral lobe |
| | Lamina pale rusty pubescence below; (2–)3–5 lateral lobes per side and the terminal lobe shorter than the lateral lobes |
| 8. 8. | Lamina lobe sinuses less than 2/3 to the midvein |
| 9. 9. | Lamina margin of basal lobes somewhat recurved; middle lobes at right angles to the midvein |
| | Petiole less than one-third the length of the lamina |
| | . Lamina light green above; glabrous except for axillary tufts below; lobes widely expanded distally |