

CONIFEROUS TREES IN IDLEWILD PARK

IDENTIFICATION KEY

Coniferous: evergreen trees or shrubs having usually needle-shaped or scale-like leaves

1. Needles in bundles or groups (2)

1. Leaves flattened and scaly (3)

2. Needles 1 to 5 per bundle....Pine, fir, or spruce species (see a-d below)

- a. 5 needles per bundle (i-ii)
 - i. Needles 1 inch long.....Bristlecone pine (*Pinus pinaceae*)
 - ii. Needles 5 inches long....White pine (*Pinus strobus*)
- b. 3 needles per bundle (i-ii)
 - i. Needles 4-8 inches long, cones have barbs that point outward...Ponderosa pine (*Pinus ponderosa*)
 - ii. Needles 7-11 inches long, cones have barbs that point inward...Jeffrey pine (*Pinus jeffreyi*)
- c. 2 needles per bundle (i-iv)
 - i. Needles 2-4 inches long, deep bluish-green color, bark orangish, thin and flaky.....Scotch pine (*Pinus sylvestris*)
 - ii. Needles 3-6 inches long (1-3)
 - 1. Needles dark green color, cone has scales with barbs, bark dark gray, brown, or black with dark furrows.....Austrian pine (*Pinus nigra*)
 - 2. Bark pinkish-red with flat scaly plates, buds red.....Red pine (*Pinus resinosa*)
 - 3. Needles about 4 inches long, buds white.....Black pine (*Pinus thunbergii*)
- d. 1 needle per bundle (i-iv)
 - i. Needles $\frac{1}{4}$ - 1 inch long (1-2)
 - 1. Bark orange-brown.....Norway spruce (*Picea abies*)
 - 2. Needles blue or blue-green, bark dark brown or gray and fissured.....Blue cedar (*Cedrus atlantica*)
 - ii. Needles $\frac{3}{4}$ - 1 $\frac{1}{4}$ inches long, dull green to silvery blue, bark ash-brown, scaly.....Blue spruce (*Picea pungens*)
 - iii. Needles 1 - 2 $\frac{3}{8}$ inches long, green to dull blue-green with white lines on top and bottom, bark smooth, gray with deep brown or yellowish furrows.....White fir (*Abies concolor*)
 - iv. Needles 1 $\frac{1}{2}$ - 2 $\frac{1}{4}$ inches long, bark irregularly furrowed.....Singleleaf pinyon pine (*Pinus monophylla*)

3. Leaves in whorls (4)

3. Leaves sharply pointed and closely overlapping, bark fibrous and furrowed, cones 1 $\frac{1}{2}$ - 3 inches long.....Giant sequoia (*Sequoiadendron giganteum*)

4. Leaves in whorls of 3, awl-shaped, reddish-brown or blue cones (berries), bark gray or light brown.....Utah juniper (*Juniperus osteosperma*)

4. Leaves in whorls of 4 (a-b)

a. Leaves bright green, bark orange-brown, weathering gray.....Incense cedar (*Calocedrus decurrens*)

b. Leaves dark green, bark gray-brown and thin with long, narrow fissures.....Alaska cedar (*Cupressus nootkatensis*)