



Pointed leaves have toothed edges. Female cones turn from green to woody brown.

## Lifecycle of **RED ALDER** *Alnus rubra*



Alder's male flowers, or catkins, droop like caterpillars or tassels and turn red in spring.



Bacteria in the soil form a partnership with alder roots and form nodes.



Alder bark, buds, catkins, and cones are used to make medicine and dye.



Peeled alder bark turns reddish-orange and is used to make dye.





Leaves have five points like your hand.

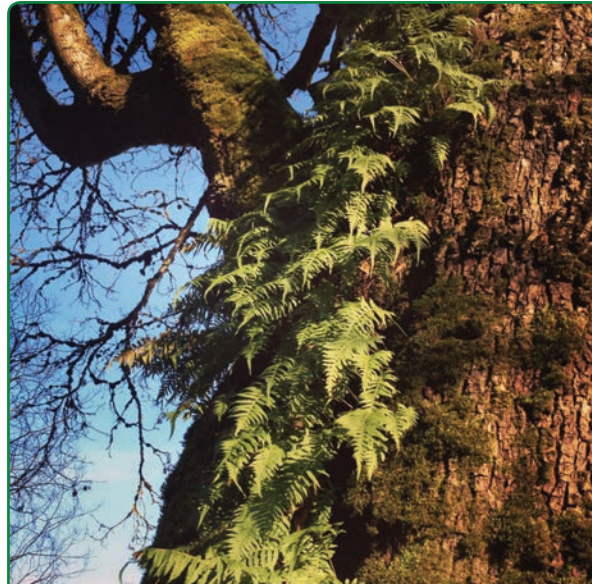
*Lifecycle of*  
**BIGLEAF MAPLE**  
*Acer macrophylla*



Golden flowers look like bird nests.



Seeds break apart and fly like helicopters in the wind.

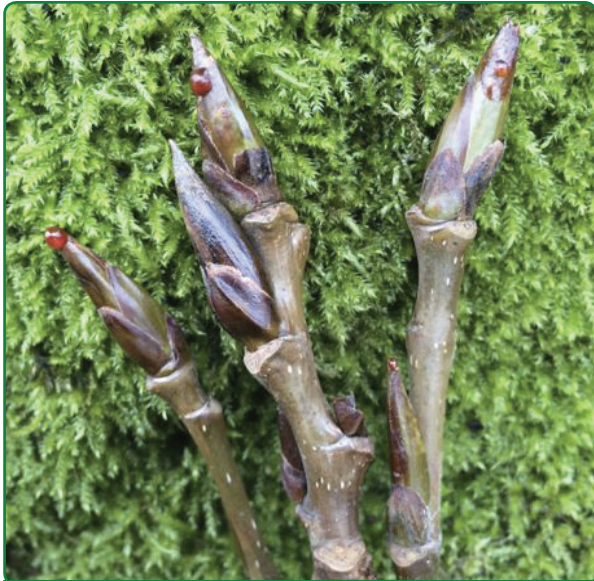


Bark is often covered in mosses, lichens, and ferns.



Spring flowers are edible.





Cottonwood buds are full of fragrant, yellowish-red resin in late winter.

## Lifecycle of COTTONWOOD *Populus balsamifera*



Male flowers are reddish catkins that look like drooping caterpillars.



Fluffy white seeds fly in the wind. Leaves are shiny green on top, grey underneath.



Leaf buds and bark are used for medicine.



Cottonwood has silver-gray bark, and towers above other trees like alder and willow.





Oak leaves have lobed edges.

*Lifecycle of*  
**GARRY OAK**  
*Quercus garryana*



Flowers are small, clustered, and drooping.



Acorns ripen in late summer to fall.



Grey bark is furrowed.



Acorns are eaten by many types of animals.





White flowers have 5 petals and many stamens. Leaves are pointed and lobed.

*Lifecycle of*  
**HAWTHORN**  
*Crataegus laevigata*



Watch out! Thorns can be very large and sharp.



Red berries ripen in the fall and contain a large seed.



People dry hawthorn flowers, leaves, and berries to make tea.



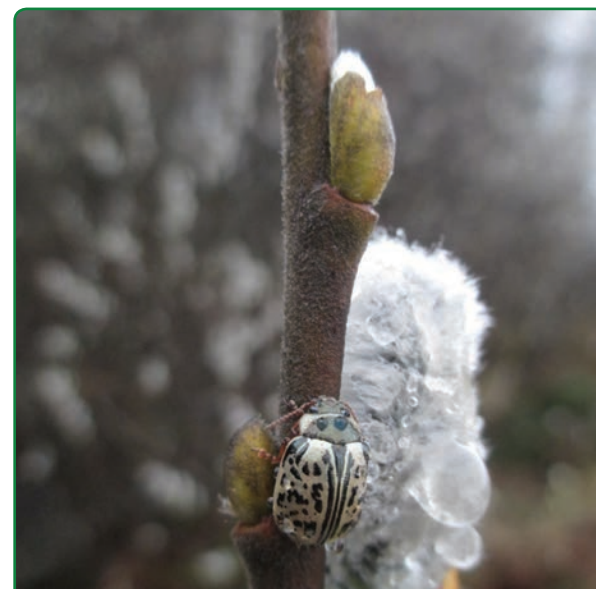
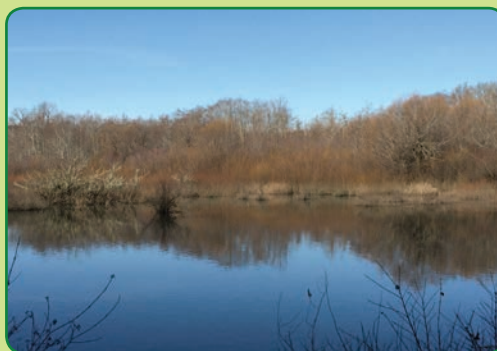
Birds enjoy eating hawthorn berries and carry the seeds far and wide.





Willow has straight spring shoots.  
Buds grow alternately and hug the stem.

## Lifecycle of **WILLOW** *Salix species*



Flowers often have downy silver fur  
and are called "pussy willows."



Cotton-like seeds fly in the wind.



Willow is "nature's aspirin." It reduces pain  
and inflammation, and lowers fevers.



Flexible willow branches are made into  
baskets, nets, fences, and shelters.





Bark is peeled and made into baskets, hats, clothing and other things

## WESTERN RED CEDAR

*Thuja plicata*



Cones look like rosebuds



Bark is soft and may look shredded

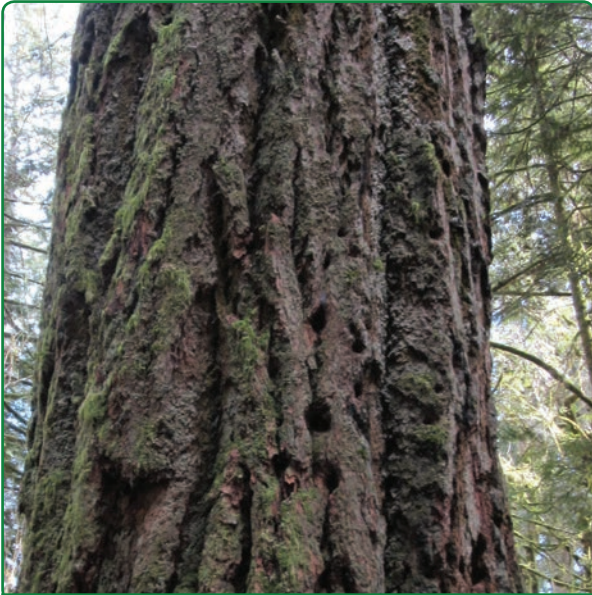


Other names include "Grandmother,"  
"Tree of Life," & "Long Life Maker"



Leaves are shaped like scales  
and look like reptile skin





Bark is "groovy"

# DOUGLAS FIR

*Pseudotsuga menziesii*



Second tallest tree in the world  
They can live over 1,000 years!



Needles all the same length & grow  
around the branch like a bottlebrush



Mice got stuck in the cones!



Squirrels love the seeds of this tree





Needles lay flat and are shiny on top

## GRAND FIR

*Abies grandis*



This tree is a favorite Christmas tree



Leaves smell like grapefruit when crushed



Underside of leaf has 2 white lines  
and the tip is notched



Cones point upward

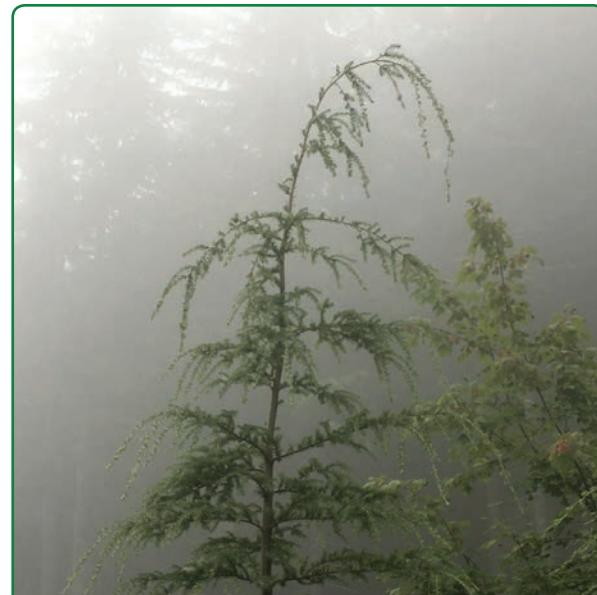




Thrives in the shade

# WESTERN HEMLOCK

*Tsuga heterophylla*



Tree top droops



Needles are different lengths,  
and cones are very small



Spring tips are lime green, lacy looking,  
and can be eaten or made into tea



Grows on nurse logs and stumps

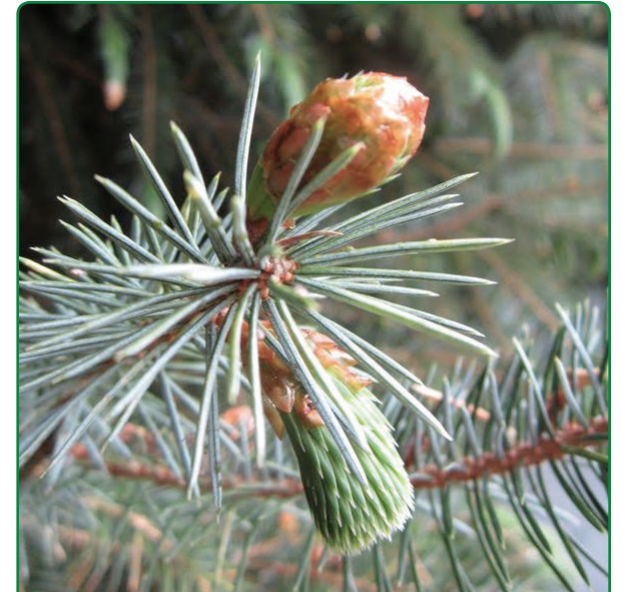




Bark comes off in plates like potato chips

# SITKA SPRUCE

*Picea sitchensis*



Needle tips feel sharp to touch



Trees grow very large on the coast



Cones are papery



Strong and lightweight wood is used to make musical instruments