

☐ **Dogwood** (Cornus florida)



The dogwood is a small, low-branched tree with checkered bark and oval leaves. It likes to grow beneath taller trees and is most recognizable in the early spring when its flowers appear. During the fall, the dogwood will turn bright red before it loses its leaves, and will bear small clusters of red berries. These berries are eaten by many animals from September to December.

☐ **Red Maple** (Acer rubrum)



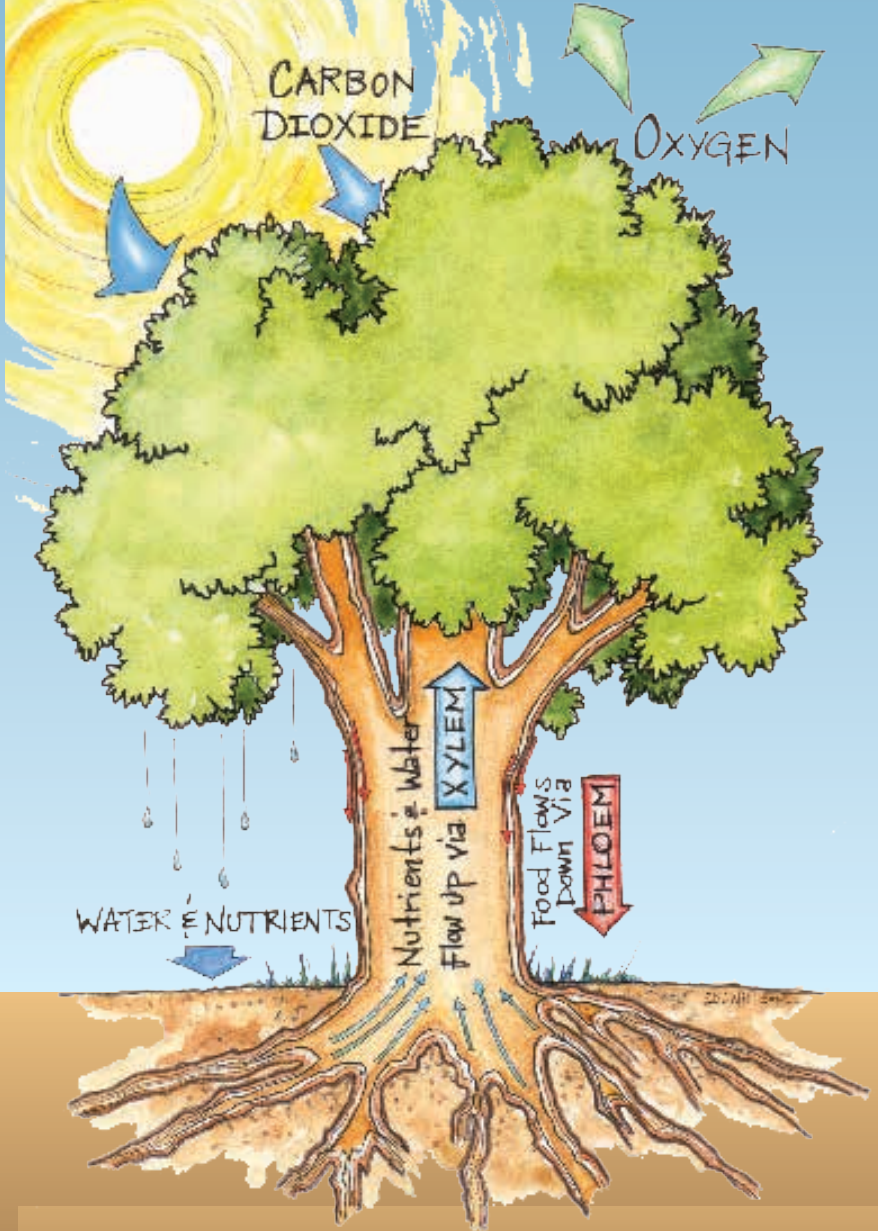
Able to grow in almost any soil condition, the red maple is one of the most abundant and widespread trees in eastern North America. With red twigs, buds, flowers, and seeds, it's easy to see how the red maple got its name. Red maple wood is used to make parts of guitars, banjos, drums, and other musical instruments because of its flexibility, sturdiness, and beautiful coloration.

☐ **River Birch** (Betula nigra)



River Birch got its name because it likes to grow near water. The gray-brown bark **exfoliates** (peels) in paper-like strips. The leaves are green on top and whitish on the bottom, with serrated edges. White-tailed deer eat the leaves and twigs, and birds and rodents eat the seeds. Birch sap can be boiled to make birch syrup, which is sweeter than maple syrup, but harder to produce in large quantities.

**The Need to Know  
How Trees Grow**



Plants and trees have the ability to make their own food in a process known as photosynthesis. They do this by sucking water and nutrients from the soil up through their xylem and into their leaves. The water and nutrients are combined with carbon dioxide and sunlight to make a sugary food called glucose. This food is then distributed by way of its phloem to the rest of the tree, so it can grow.

Illustrations drawn by David Williams

☐ **Loblolly Pine** (Pinus taeda)



Loblolly pines have clusters of needles that grow in groups of three. The bark is thick, scaly and grey with layers of brown underneath, and their pinecones are brown and prickly. The loblolly can grow very quickly in either wet or dry soil. Because of how fast it grows, people plant them in huge numbers to later be used for lumber and paper. People also plant them to create shade and to stop erosion.

☐ **Sweetgum** (Liquidambar styraciflua)



The Sweetgum is a “pioneer plant”, meaning that Sweetgums are among the first to begin growing in empty soil. Sweetgum seeds are carried by the tree’s unique, spikey fruit, called a “gumball”, and each fruit can contain up to 50 seeds. Other characteristics of the Sweetgum include its star-shaped leaves, and gray, wrinkled bark. Many animals depend on the Sweetgum for both food and shelter.

☐ **White Oak** (Quercus alba)



The leaves of the white oak have rounded lobes, and the bark is light gray and scaly on older trees. The acorns are elongated with a shallow cap, and have a sweet taste, which makes them a favorite food for deer, bear, turkeys, squirrels, and other wildlife. Because of the water-tight quality of the wood, white oak was valued in olden times for shipbuilding, and is still used today to make barrels.



Tree Cycle Check List: Can you find a... Seed? \_\_\_\_ Seedling? \_\_\_\_ Sapling? \_\_\_\_ Tree? \_\_\_\_ Snag? \_\_\_\_ Fallen Log? \_\_\_\_

Just like trees, seeds come in different shapes and sizes. With a little help from soil nutrients, moisture and sunlight, seeds can sprout into seedlings. For most tree species, when the sprout has reached 4 feet tall and up to 4 inches in diameter, it becomes a sapling. Saplings officially become trees when their trunks are thicker than 4 inches in diameter at chest height.

# Tree Cycle

Most trees will continue to grow until their death. Sometimes, dead trees don't fall to the forest floor immediately. These trees, called snags, play an important role as habitat in the forest. Fallen trees and snags slowly decompose, recycling valuable nutrients back into the soil. This enriched soil helps sprouting seeds grow into healthy saplings, which then become full-grown trees, completing the cycle.

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# The Need for Trees

Trees are very important to people, animals, insects, fungus, and even other trees. This is because trees provide so many things for people and the forest, including shelter, habitat, food and oxygen. This TRACK Trail Adventure will help you identify six of the most common trees found along this trail.



Use the pictures and text in this brochure to identify and learn about trees. Just remember, for your safety, stay on the trail and be aware of your surroundings. Poison ivy likes to climb up the trunks of trees too... so if you see a hairy vine, Don't Hug That Tree!

