

☐ Pignut Hickory (Carya glabra)



Hickory trees have **compound leaves** (many leaflets on one stem). The pignut hickory gets its name because the halved nuts look like a pig's nose. Due to the high concentration of fats, these small nuts are an extremely important food source for wild animals such as squirrels, bears and wild turkey. Because of its relatively high heating value, hickory wood makes excellent fuel wood for stoves.

☐ Tulip Poplar (Liriodendron tulipifera)



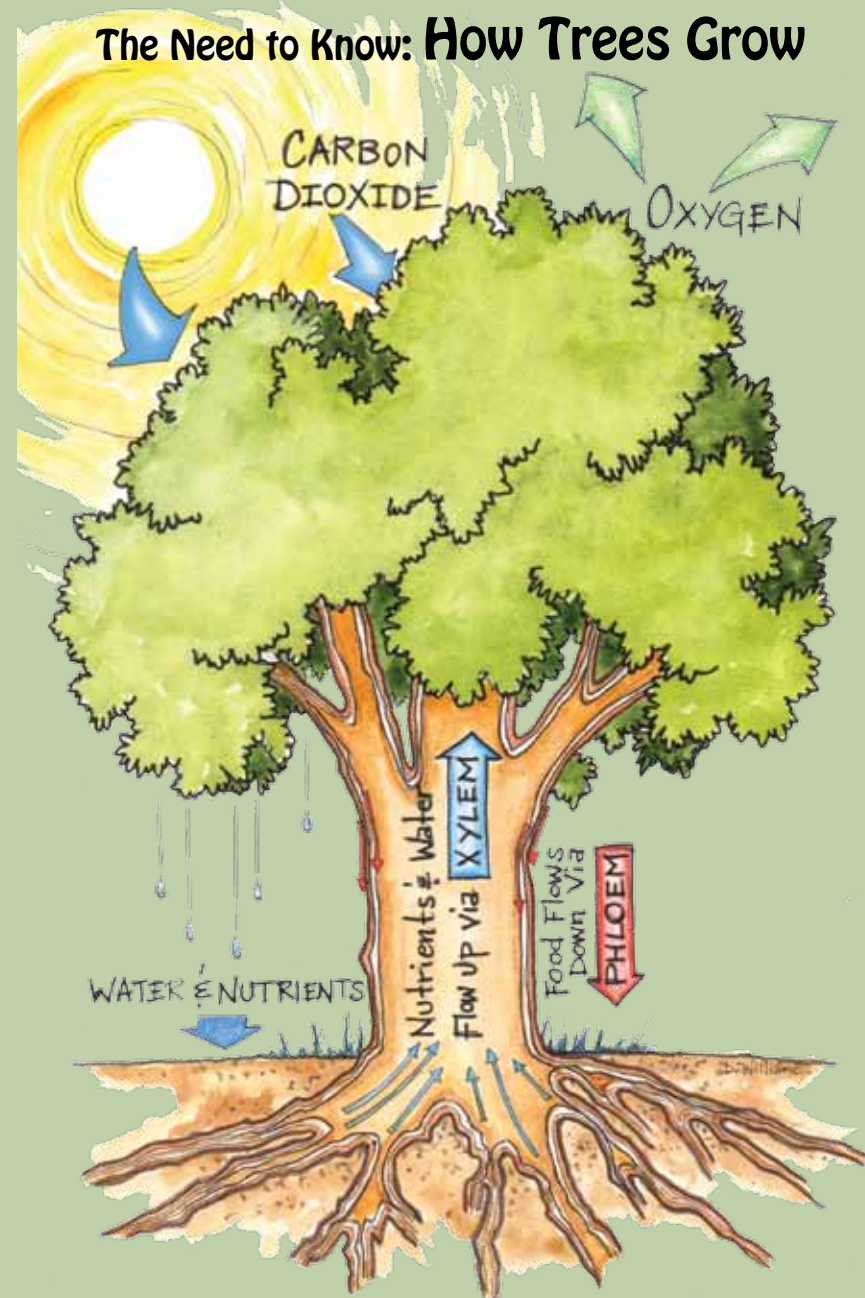
Growing straight and tall with a light gray bark and a large broad leaf that looks like the tip has been bitten off, the tulip poplar is easy to find. Due to its large size and straight growth, this tree provides a lot of useful lumber. Tulip poplar is also a very important tree for honey production. In spring, honeybees collect nectar from the poplar's large and plentiful yellow-orange flowers.

☐ Black Locust (Robinia pseudoacacia)



Black locust has deeply furrowed bark with ridges that make a criss-cross pattern. The leaves are **compound** (many leaflets on one stem), and the twigs have paired thorns. Native Americans used the sturdy branches to make bows, and early farmers used the trunks for fence-posts. It was said that if you built your fence out of locust, it would stand for 100 years and then turn to stone.

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 then travels down through the phloem to the rest of the tree, so it can grow.

Illustrations by David Williams, Wingin' it Works

☐ Black Walnut (Juglans nigra)



Black walnut trees grow best with lots of water and sunlight. They have dark brown or blackish bark and **compound leaves** (many leaflets on one stem). The nuts fall from the tree in autumn and are a favorite food of wild animals and humans alike, though removing the nut from the husk and shell is a rather messy and difficult process. Black walnut is also prized for its timber.

☐ American Beech (Fagus grandifolia)



With its extremely smooth, light gray bark and leaves with serrated edges, the American beech is a very easy tree to identify. The fruits (beech nuts) are eaten by a large variety of birds and mammals, including ducks, blue jays, deer, black bears and foxes. Beech wood is used commercially for flooring, furniture, plywood, railroad ties, paper pulp and heating.

☐ 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.

Can you find a...

Seed? _____

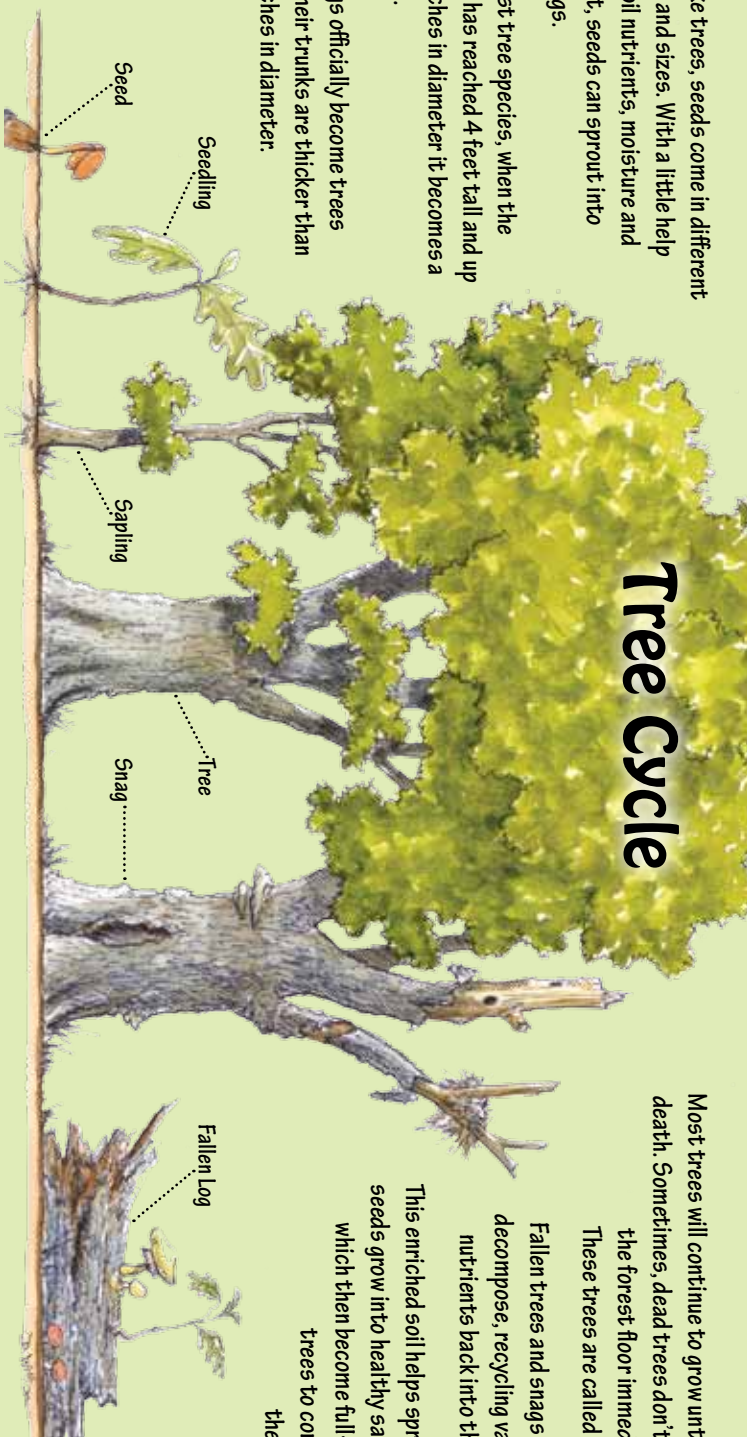
Seedling? _____

Sapling? _____

Tree? _____

Snag? _____

Fallen Log? _____



Saplings officially become trees when their trunks are thicker than four inches in diameter.

For most tree species, when the sprout has reached 4 feet tall and up to 4 inches in diameter it becomes a sapling.

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.

Tree Cycle

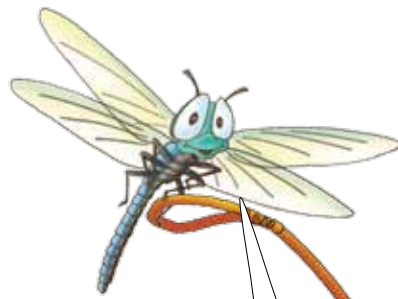
Fallen trees and snags slowly decompose, recycling valuable nutrients back into the soil. This enriched soil helps sprouting seeds grow into healthy saplings, which then become full-grown trees to complete the cycle.

Most trees will continue to grow until their death. Sometimes, dead trees don't fall to the forest floor immediately. These trees are called snags.

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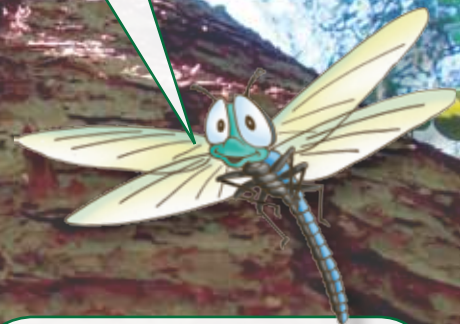
For an extensive, easy to use Nature Guide, go to www.skymeadows.info



The Need for Trees

Trees are very important to people, animals, insects, fungi, 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 this brochure to identify and learn about trees.

For your safety, stay on the trail and be aware of your surroundings. Poison ivy climbs up the trunks of trees, too... so if you see a hairy vine, don't hug that tree!

