



# Investigating and Comparing Trees – Look into the Future at the LCCC Arboretum

Name \_\_\_\_\_ Date \_\_\_\_\_

## 1. Find and compare the:

Cherry Tree



Dogwood Tree



This is what each would look like as a mature tree in spring

Measure trunk circumference: \_\_\_\_\_

Measure trunk circumference: \_\_\_\_\_

Measure the height: \_\_\_\_\_

Measure the height: \_\_\_\_\_

Use magnifying glass to find the axil, petiole, stipe, midrib, vein, blade, and tip of a leaf from each tree:  
photograph or sketch on back

Describe any insects or animals or nests that you see on either of the trees

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Which type of tree grows to the tallest mature height? \_\_\_\_\_

Which tree has blossoms but not fruit? \_\_\_\_\_

What animals eat the fruit of the tree that grows fruit? \_\_\_\_\_



# Investigating Trees – Look into the Future at the LCCC Arboretum

Materials: Camera to photograph trees and read QR codes; measuring tape

Name \_\_\_\_\_ Date \_\_\_\_\_

## 1. Find and compare the:

### Quaking Aspen



### American Hornbeam



This is what each would look like as a mature tree in summer

Measure trunk circumference: \_\_\_\_\_

Measure trunk circumference: \_\_\_\_\_

Measure the crown: \_\_\_\_\_

Measure the crown: \_\_\_\_\_

Leaves of a quaking aspen are shaped like: \_\_\_\_\_ Leaves of a hornbeam tree are shaped like: \_\_\_\_\_

What colors are the leaves in fall? Quaking aspen: \_\_\_\_\_ Hornbeam: \_\_\_\_\_

Use a magnifying glass to find the axil, petiole, stiple, midrib, vein, blade, and tip of a leaf from each tree: photograph or sketch on back

Name animals eat the seeds of one of these trees

\_\_\_\_\_

Will the mature spread size for these trees be the same or which would be larger? \_\_\_\_\_

Which tree has clones that sprout from the roots? \_\_\_\_\_

How is the bark different between these trees? \_\_\_\_\_

In the fall, will these trees turn the same colors? Yes \_\_\_ No \_\_\_ What colors will the leaves of the aspen turn? \_\_\_\_\_ The hornbeam? \_\_\_\_\_



# Investigating Trees – (answer key)

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Measure the height: \_\_\_\_\_

Measure the height: \_\_\_\_\_

Use a magnifying glass to find the axil, petiole, stiple, midrib, vein, blade, and tip of a leaf from each tree:  
**photograph or sketch on back**

Describe any insects or animals or nests on either of the trees

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Which type of tree grows to the tallest mature height? **Cherry (30-40 ft) grows taller than Dogwood (20-25 ft)**

Which tree has blossoms but not fruit? **Cherry**

What animals eat the fruit of the tree that grows fruit? **Dogwood has fruit eaten by birds, chipmunks, deer, rabbits, skunks, squirrels**



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Measure trunk circumference: \_\_\_\_\_

Measure the crown: \_\_\_\_\_

Measure the crown: \_\_\_\_\_

The leaves of a quaking aspen are shaped like what? **Hearts**. The leaves of a hornbeam tree are shaped like what? **Ovals**. What colors are the leaves in fall? **Quaking aspen: yellow. Hornbeam: red-orange**. Use a magnifying glass to find the axil, petiole, stiple, midrib, vein, blade, and tip of a leaf from each tree: **photograph or sketch on back**

Name animals eat the seeds or buds of one of these trees: **Birds, foxes and squirrels eat the seeds and buds of the hornbeam tree.**

Will the mature spread size for these trees be the same or which would be larger? **The spread of the mature trees will be similar for the two types of trees. Hornbeam: 20-35 ft, Quaking aspen: 20-30 ft.**

Which tree has clones that sprout from the roots? **Quaking Aspen**. What are clones? **Tree sprouts that grow from the root of the tree to propagate the tree.**

How is the bark different between these trees? **Bark on the quaking aspen is white/yellowish grey and smoother. Bark on the hornbeam is grey and has grooves on it (looks like muscles).**