



Pathfinder's Name

Trees

1. Describe the ways in which trees and shrubs differ.

Trees _____

Shrubs _____

2. Collect and identify typical leaves from 15 different species of trees. Spread neatly, press dry, mount, and label in a suitable notebook or on uniform-size sheets of paper.

3. Name two examples each of trees that have been named for:

What they are used for

1. _____

2. _____

The surroundings or environment in which they grow

1. _____

2. _____

Some distinctive feature

1. _____

2. _____

The geographic region in which they live

1. _____

2. _____

Persons who first found and described them

1. _____

2. _____

- 4. Give the common name and tell the difference between the two great classes of trees.

1. _____ 2. _____

Difference _____

- 5. Describe the importance of forest conservation in your area.

- 6. Name several examples of the kinds of wood used in each of the following:

Flooring for houses

1. _____ 3. _____

2. _____ 4. _____

Common plywood

1. _____ 3. _____

2. _____ 4. _____

Furniture

1. _____ 3. _____

2. _____ 4. _____

Ax handles

1. _____ 3. _____

2. _____ 4. _____

Fence posts

1. _____ 3. _____

2. _____ 4. _____

Railroad ties

1. _____ 3. _____

2. _____ 4. _____

Support beams for construction work

1. _____ 3. _____

2. _____ 4. _____

Bows and arrows

1. _____ 3. _____

2. _____ 4. _____

Ideal for use as kindling

1. _____ 3. _____

2. _____ 4. _____

Burns slowly and leaves a bed of hot coals

1. _____ 3. _____

2. _____ 4. _____

7. Name two examples each of trees which:

Grow best in wet lands

1. _____ 2. _____

Grow best at high levels in mountains

1. _____ 2. _____

Trees, Advanced

- 1. Have the Trees Honor.
- 2. Collect, identify, press, and mount leaves of 35 different species of trees.
- 3. Separately collect, press, mount, and label specimens that demonstrate the following terms:
 - a. Serrate
 - b. Doubly serrate
 - c. Entire
 - d. Crenate
 - e. Dentate
 - f. Lobe
 - g. Incise
 - h. Whorled
 - i. Opposite
 - j. Alternate
 - k. Pinnately compound
 - l. Triple compound (if possible)

- 4. Describe the advantages in using the Latin or scientific names.

Of what use are the two parts of a scientific name?

- 5. Name six families of trees in the angiosperm class and three families in the gymnosperm class.

Angiosperm Class

- | | |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ | 6. _____ |

Gymnosperm class

- | | |
|----------|----------|
| 1. _____ | 3. _____ |
| 2. _____ | |

6. Know and describe the function of leaves in the life of a tree.

7. Name the families of trees in your area which have opposite leaves.

8. Define the following terms:

Stipule _____

Springwood _____

Petiole _____

Summerwood _____

Blade _____

Annual ring _____

Pitch _____

Cambium _____

Heartwood _____

Xylem _____

Sapwood _____

Phloem _____

☐ 9. What families of trees have:

Thorns _____

Pods _____

Catkins _____

Capsules _____

Winged seeds _____

Nuts _____

Acorns _____

Berries _____

☐ 10. Identify ten deciduous trees by their “winter” characteristics, (features other than leaves) such as twig and bud, characteristic form, and growth habits.

Tree	Characteristics
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____
7. _____	_____
8. _____	_____
9. _____	_____
10. _____	_____