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. ____________________________
2. ____________________________
3. ____________________________
4. ____________________________

Ideal for use as kindling
1. ____________________________
2. ____________________________
3. ____________________________
4. ____________________________

Burns slowly and leaves a bed of hot coals
1. ____________________________
2. ____________________________
3. ____________________________
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. ____________________________
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.

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

   Argiosperm Class
   1. __________________________
   2. __________________________
   3. __________________________
   4. __________________________
   5. __________________________
   6. __________________________

   Gymnosperm class
   1. __________________________
   2. __________________________
   3. __________________________
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 ____________________________________________________

   __________________________________________________________
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.

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<th>Tree</th>
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