

## Inquiry Activity On Biodiversity

Goals: In this lessons students will learn the above ground parts that make up a tree

- I Title: What are the parts of a Tree?
- II Lesson summary: in this lesson students will construct a list of traits of trees and describe how traits could be used to divide the parts into several kinds of structures.
- III General Goal: Students will work in small groups to list and describe the basic structures of a tree (stems and leaves.)
- IV. Duration: Two 50-minute class periodss.
- V. Specific Learning Objectives:

Content objectives, tree structures can be divided into two basic groups, leaves and stems, Leaves have bilateral symmetry, determinate growth, and are ephemeral. Stems have radial symmetry, indeterminate growth, and are persistent.

Process objectives:

- a) Working in small groups to observe, describe and record the structures that make up a tree.
- b) Test their observations to see if traits, they have recorded are consistent among all the specimens and rejecting those that are not.
- c) Students will be shown samples not observed to test whether the characteristics are exclusive.
- d) Vocabulary terms will grow out of lesson, radial and bilateral symmetry, ephemeral and persistent, determinate and indeterminate growth.

Standards: Ohio science proficiency objective number two, Distinguish between observations and inferences given a representation of a scientific situation.

- VI Perquisite Knowledge/Skills for Students: Making detailed observations.