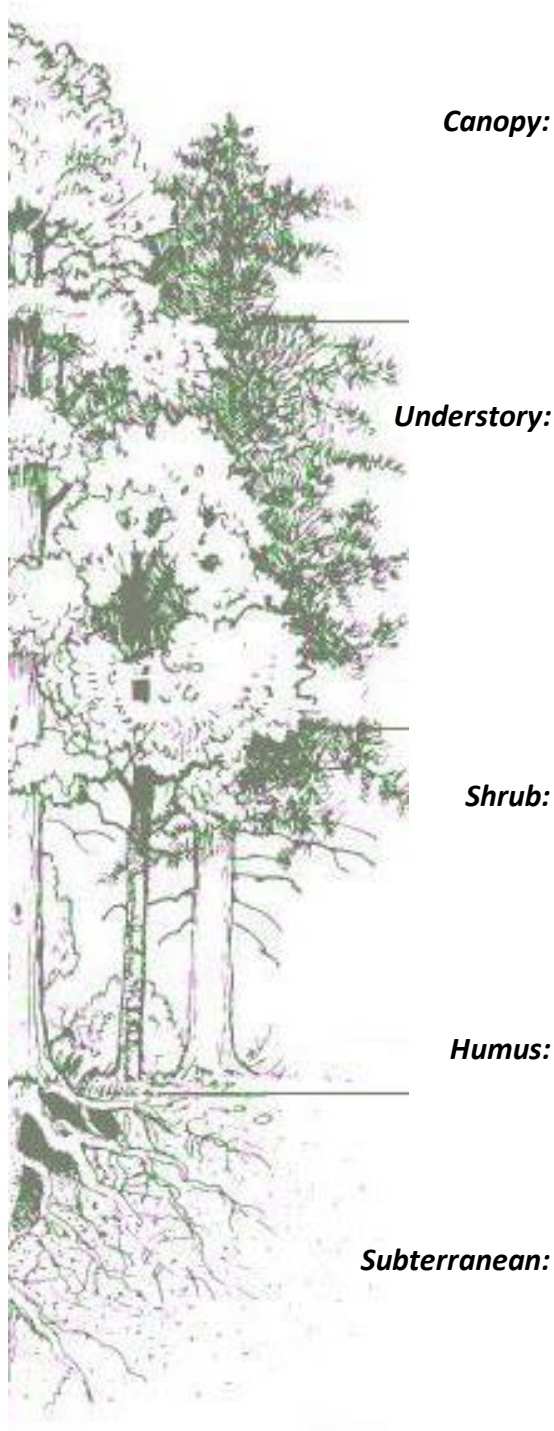


# What are the benefits of this forest?



As you investigate this forest, record the evidence you find of plants and animals at each layer of the forest. Record each kind of evidence for each layer, and how many of each you find. (For example: bird nest 3.)



(Image modified from <http://www.envirothonpa.org/documents/VerticalForestStratification.pdf>)

**Before you go – did you answer the questions on the back of this worksheet?**

**Choose a tree in this forest and answer the following questions:**

Draw the overall shape of a leaf from this tree. Include the shape of the leaf edges and the shape of the veins inside the leaf. If there are no leaves on the tree, sketch a section of twig with a bud. Include enough of the twig to show two or three old leaf nodes.

Describe the color and texture of the leaf or bud:

What is the color of the bark?

What is the bark's texture?

What other characteristics can you list about your tree?

What is the circumference (C) of the tree, in inches, at chest height?

Calculate the diameter of the tree by dividing circumference by Pi ( $C \div 3.14$ ):

Do you know the species of your tree? Write it here:

**Back in the Classroom**

**Use the Tree Benefits Calculator (<http://treebenefits.com/calculator/>) to answer the following questions:**

How many gallons of stormwater will my tree intercept this year?

How many pounds of atmospheric carbon my tree will sequester this year?