

5. How does a tree grow? _____

Use the diagram on the (above linked) web page to answer these questions.

a. The outer most layer on a tree is called _____

b. What is the role of this outer layer? _____

c. The inner most layer of a tree's trunk is called _____

6. Although you do not see it, trees breathe. Explain. _____

How is this important to you? _____

7. Look up your state tree in the USDAFS Silvics of North America. Could that species of tree grow on your school's property? Why or why not?

8. Trees can be identified by their leaves. Scientists distinguish one leaf from another by shape.

How many different leaf shapes are there?

A hastate shaped leaf resembles a geometric shape. Draw the shape.

Think About It: How could you identify a tree that has no leaves?

9. Scan/read the article Red Maple and Black Birch: Pennsylvania's New Dominant Species.

a. What factors have impacted the forest? _____

b. What animals have contributed to the decline of oaks? _____

c. How are oaks important to the survival of many forest animals? _____

d. What do you predict will be the outcome of these changes in the forest? _____

e. Name two traits of Black Birch trees that are helping it succeed in the forest. _____

TAI - List two ways people could intervene in this succession process. _____

10. Use your online research skills to discover 3 different ways that people have used bark. _____

11. How many National Register of Big Trees are found in your state? _____

What is the species of the largest tree in your state? _____

12. How are trees helping to solve a challenging problem? _____



