



Forestry Merit

1. Write a 300-word report describing the contributions forests make to
 - a. Our economy in the form of products
 - b. Soil protection and increased fertility
 - c. Clean water
 - d. Clean air
 - e. Wildlife
 - f. Recreation

Write your report on a separate piece of paper and insert it in your workbook.

2. Diagram and label the parts of a tree.

Use a separate sheet of paper and include your diagram in your workbook.

3. Explain the steps involved in planting and caring for a tree.

Planting

a. _____

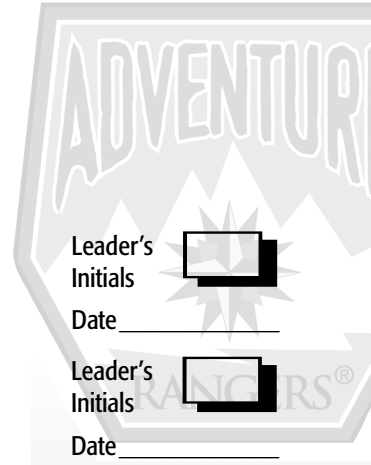
b. _____

c. _____

Caring for a Tree

a. _____

b. _____



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Date _____

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Date _____

c. _____

4. Explain how to tell the age of a tree. Discuss the possible causes for variations in growth when examining the crosscut section of a stump or log. How can you tell the age of a tree? _____

List some of the causes of variations in growth.

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____

Based on the number of rings, how old is your tree? It was _____ years old when it was cut down.

Is it older than you? _____

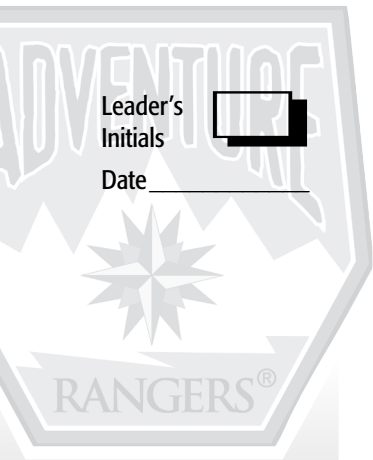
If it is a relatively old tree, can you find the rings for some important historical events? _____

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5. Explain how trees prevent soil erosion.
- _____
- _____
- _____

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6. List ten animals that depend on the forest for their food and shelter. Describe where one of these animals lives and what it eats.
- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____
- g. _____
- h. _____
- i. _____



j. _____
Animal: _____
Where does it live? _____
What does it eat? _____

7. Study ten trees or shrubs native to your state (one should be your state tree).
Submit a notebook that includes the following for each species:
- a. A photo or drawing of the tree or shrub
 - b. A sketch of a leaf or branch of the tree or shrub
 - c. A sketch of its seed or an explanation of how the plant reproduces
 - d. A list of the uses of the tree or shrub by mankind or wildlife
- Include your notebook in your workbook.

8. Do the following:
- a. Describe the damages to forests that result from
 - i) Wildfire _____

 - ii) Insects _____

 - iii) Tree disease _____

 - iv) Acid rain _____

 - v) Improper harvesting _____

 - b. Tell what can be done to reduce these damages.
 - i) _____

 - ii) _____

 - iii) _____

 - iv) _____

 - v) _____

Complete MWS 2 "Acid Rain and the Environment" and MWS 3 "Damages to Trees Crossword Puzzle."

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