

# Forestry - 1<sup>st</sup> Year Proficiency

Name \_\_\_\_\_ Club \_\_\_\_\_ Date \_\_\_\_\_

Date/Initials

## TREE BIOLOGY

1. Define photosynthesis and explain what it is and how it works. \_\_\_\_\_
2. Give three examples of evergreen conifers, broadleaf evergreens, and broadleaf deciduous type trees. \_\_\_\_\_
3. List the main parts of a conifer and a hardwood tree and explain the function of each part. \_\_\_\_\_
4. Explain the growth patterns of five tree cookies. \_\_\_\_\_

## FOREST ECOLOGY

5. What are the main elements of a healthy, sustainable forest? \_\_\_\_\_
6. Define what the forest canopy is, and who lives there. \_\_\_\_\_
7. What does the forest do for a watershed? \_\_\_\_\_
8. What is a Habitat? What kinds of animals live in an oak forest? A redwood forest? A pine forest? Compare. \_\_\_\_\_

## APPLIED FORESTRY

9. What is a cruising vest and list some of the tools in it. \_\_\_\_\_
10. What are the proper tools needed for cutting down trees in the forest and what safety aspects should you consider? \_\_\_\_\_
11. What is F.B.I. in the forest? Name some of each. \_\_\_\_\_

## WOOD UTILIZATION

12. How many trees does the average American use per year?  
How big a tree? \_\_\_\_\_
13. Name forty tree products. \_\_\_\_\_

## ACTIVITIES

1. Visit an active logging site. \_\_\_\_\_
2. Visit a Forestry Station. \_\_\_\_\_
3. Give a demonstration at the County level. \_\_\_\_\_
4. Go on a nature trail hike. \_\_\_\_\_
5. Make a collection from the forest and show it to your club. \_\_\_\_\_