

**Rachel Carson Environment and World Issues
Forest Unit Study Guide Assignment
TREE ID TEST - THURSDAY MAY 30, 2019
WRITTEN TEST and STUDY GUIDE Due FRIDAY MAY 31, 2019**

Name_____

Period_____

Answer the QUESTIONS below and ID TEN TERMS from the list below.

Key Questions:

1. Name and describe TWO effects of fire on water, wildlife, plants/trees, and soil. Be sure to discuss TWO benefits and harms of fires on each.
2. How have forest fires on public lands been managed in the United States? Describe THREE effects of this policy.
3. (a) Describe at least THREE of the **ecological services** provided by forests. (b) Describe the main economic and aesthetic benefits of forests.
4. (a) What is the **Oregon Forest Practices Act, 1971**? (b) How does it protect private and state timberlands? Describe THREE specific rules.
5. (a) List and describe the FIVE components (OWLSA) of **old growth forests**. (b) Explain why each is ecologically valuable to the forest ecosystem.
6. How do trees grow? Describe the process.
7. Draw and explain the importance of these key parts of a tree: **bark/cork**, **phloem**, **cambium**, **leaves**, **branches**, **roots**, **xylem**, **sapwood** and **heartwood**. If you use a drawing, be sure to add a written description of what part each does.
8. (a) What is **forest management**? (b) Describe THREE specific forest management goals (sustainability triangle).
9. (a) How much (% and acreage) of Oregon is forestland? (b) What percent of Oregon's forests are managed by the federal government? The state of Oregon? Private companies? Private individuals? Tribes? (c) How is the management different on each of these lands?
10. Where would you expect to find the following forest types of Oregon: **spruce/hemlock**, **oak woodland**, **Douglas fir**, **lodgepole pine**, **ponderosa pine** and **pinyon/juniper**?

Key Terms - Identify/define TEN terms from the list below.

primary succession	Douglas fir	broadleaf tree	conifer
secondary succession	fire triangle	nurse log	woody debris
forbs/pioneer stage	prescribed burn	snag	crown
shrub stage	young forest stage	mature forest stage	canopy
old growth/climax stage	trunk	pith	phloem
cambium	roots	xylem	sapwood
heartwood	simple leaves	compound leaves	leaf margin
opposite/alternate	wilderness area	BLM	DBH
US Forest Service	pinnate	palmate	clinometer
woodland stick	FPA		

Tree ID & Forestry Tools Test is THURSDAY May 30, 2019!!

You MUST be able to correctly use a dichotomous key to identify common native conifer and broadleaf tree species. Also, you must be able to correctly measure tree diameter and height using provided tools (clinometer, woodland stick and DBH tape).

Use the site listed to study using tree id flashcards.

<https://quizlet.com/128853586/washington-state-ffa-tree-id-flash-cards/>