

Silviculture: Pre-Test

Name_____

Date_____

Matching: Match the forestry vocabulary words to their definitions

- | | |
|----------------------------|--|
| 1) _____ Deciduous | a) A system or community of plants, animals and other organisms and their environment, which interacts and functions as a unit |
| 2) _____ Selection Logging | b) Something that can replenish or restock itself when used |
| 3) _____ Seed Tree | c) A term that applies to trees, commonly broadleaf, that usually shed their leaves annually. Also known commercially as hardwoods |
| 4) _____ Renewable | d) A continuous, uneven aged forest is maintained by selecting trees of various ages and sizes for harvest. Harvesting occurs over intervals of 15-40 years. |
| 5) _____ Ecosystem | e) Trees that can withstand some fires going through the area and remain healthy |
| 6) _____ Fire Resistant | f) The natural or artificial restock itself when used |
| 7) _____ Clearcutting | g) Something that can be broken down into a simpler form and then reformed into a useable product |
| 8) _____ Recyclable | h) A silvicultural system in which the old crop is cleared at one time |
| 9) _____ Sustainable | i) Selected trees are left standing, in a cutblock, to provide natural regeneration |
| 10) _____ Reforestation | j) To be able to keep going |

The Forest and Forest Pests

Fill in the blanks: Provide the missing word(s) 1 mark per question

- 1) Three reasons for the current pine beetle epidemic are: we have been fighting too many forest fires, we have had exceptionally warm winters and _____

- 2) Defoliators are insects who eat the _____ of trees.
- 3) In the _____ level of the forest, leaves, branches, twigs and pine needles begin to break down into humus thanks to the decomposers
- 4) In the _____ level of the forest sunlight enters the forest ecosystem through the needles and leaves of coniferous and deciduous trees
- 5) 3 examples of forest pests are: pine beetles, _____ and _____
- 6) Female Mountain Pine beetles lay about 40-50 eggs long tunnels called egg

- 7) The Life Cycle of most pests follows the following pattern, egg, larva,
_____ and adult
- 8) 2 trees that Mistletoe plants attacks are _____ fir and _____
pines
- 9) Four things all plants need are: sunlight, water, carbon dioxide and

- 10) 2 types of decomposers found in the subfloor of the forest are: _____ and
worms

Silvicultural Systems and Meet a Tree

True and False: Write T or F in the space provided

- 1) _____ Clearcutting is the second cheapest (least expensive) silvicultural system
- 2) _____ Selection Logging is the most ecologically sound forestry method
- 3) _____ In Seed Tree Silvicultural Systems many trees of various heights are left behind to provide new seeds for the future
- 4) _____ Shelterwood Silvicultural Systems are the most expensive type
- 5) _____ Clearcut logging is very uncommon in B.C.
- 6) _____ Water and Soil are carried through the trunk of the tree
- 7) _____ Herbaceous plants are large plants with woody trunks
- 8) _____ The chemical reaction photosynthesis occurs in the leaves of plants
- 9) _____ Heartwood is the living core of the tree
- 10) _____ In cambium layer of the tree makes new cells

Short Answer Questions

Provide a definition for the term controlled burn

In complete sentences, provide 3 reasons forest managers would use controlled burns in the forest

You have discovered a new species of tree! In 3-4 sentences describe your tree making sure to name as many different characteristics as you possibly can. * Think what makes a tree a tree
