

Name:

Date:

Class:

Lesson 16.1: Forest Production

Know and Understand

Answer the following questions using the information provided in this lesson.

1. What are veneer logs? (16.1.1)

- A. Logs used to make timber for framing houses in the veneer style.
- B. Logs that are used to make paper because of their shape.
- C. Hardwood trees that provide a thin layer of decorative wood.
- D. Logs used for firewood.

Answer:

2. What is the difference between sawlogs and pulpwood? (16.1.1)

- A. Sawlogs are easy to saw; pulpwood logs are easy to pulp.
- B. Sawlogs are logs sawn into lumber; pulpwood is used to produce paper.
- C. Sawlogs are smaller than pulpwood logs.
- D. They are basically the same.

Answer:

3. What is a thin layer of decorative wood called? (16.1.1)

- A. Cambium
- B. Sapwood
- C. Veneer
- D. Silviculture

Answer:

4. What is the innermost part of the trunk of a tree called? (16.1.2)

- A. Heartwood
- B. Sapwood

- C. Cambium
- D. Inner bark

Answer:

5. Which layer of a tree trunk is the actively growing layer? (16.1.2)

- A. Heartwood
- B. Sapwood
- C. Cambium
- D. Inner bark

Answer:

6. What function does the outer bark provide for the tree? (16.1.2)

- A. It protects the tree from insects, disease, and fire.
- B. It is the actively growing layer.
- C. It transports water to the leaves.
- D. It transports food from the leaves to the roots of the tree.

Answer:

7. Which part of a tree provides the most shade and cooling? (16.1.2)

- A. Roots
- B. Crown
- C. Trunk
- D. Cambium

Answer:

8. What is the difference between a deciduous tree and a coniferous tree? (16.1.3)

- A. Deciduous trees grow new leaves in spring and lose them in fall.
- B. Coniferous trees have needles or scales.
- C. Coniferous trees remain green throughout the year.
- D. All are correct.
- E. E. None is correct.

Answer:

9. What is the difference between an angiosperm and a gymnosperm? (16.1.3)
- A. Angiosperms reproduce via sperm and pollen only.
 - B. Gymnosperms reproduce via sperm and pollen only.
 - C. Angiosperms are plants that bear seeds in vessels.
 - D. Angiosperms are fruit trees.

Answer:

10. Which of the following is a deciduous coniferous tree? (16.1.3)
- A. Tamarack
 - B. White oak
 - C. Sycamore
 - D. Birch

Answer:

11. Which of the following is an example of an evergreen broadleaf tree? (16.1.3)
- A. Maple
 - B. Live oak
 - C. Eastern red cedar
 - D. White pine

Answer:

12. Why are boards cut into 16' lengths? (16.1.4)
- A. Most trees grow to heights of 16' or multiples of 16.
 - B. Saws are only equipped to handle 16' logs.
 - C. A 16'-board can be divided into several multiples of 4'.
 - D. All are correct.

Answer:

13. Besides lumber, what other products come from a forest? (16.1.4)

- A. Maple syrup
- B. Corn syrup
- C. Plywood
- D. All are correct.

Answer:

14. How many gallons of sap are required to produce one gallon of maple syrup? (16.1.4)

- A. 4
- B. 10
- C. 20
- D. 40

Answer:

15. What makes white ash a good choice for baseball bats and wooden handles? (16.1.5)

- A. It is resistant to shock.
- B. Bats made from white ash hit baseballs farther.
- C. Ash is among the hardest woods.
- D. Ash is light in color, so baseball logos show up well.

Answer:

16. What makes hickory an ideal wood for flooring? (16.1.5)

- A. It is fragrant.
- B. It is hard and strong.
- C. It has a raised texture to prevent slipping.
- D. All are correct.

Answer:

17. Maple wood _____. (16.1.5)

- A. shatters more easily than ash
- B. is durable, making it popular for flooring
- C. has a light, open texture, making it popular for cabinetry
- D. All are correct.

Answer:

18. Why are knot-free boards preferred in construction? (16.1.5)

- A. Knots are ugly.
- B. Knots make lumber weak.
- C. Knots often fall out of the lumber.
- D. Most trees do not have knots.

Answer:

19. Why is western red cedar used to construct fence posts? (16.1.5)

- A. Red cedar trees are straight.
- B. They have electrical conducting properties.
- C. They are highly decay-resistant.
- D. Red cedar trees smell good to cattle.

Answer:

20. Why are cedar chests and closets popular? (16.1.5)

- A. Cedar maintains its fragrance.
- B. Cedar is a dark purple color and preferred by homeowners.
- C. Cedar wood is easy to work with.
- D. All are correct.

Answer: