

2025 Area 2 Envirothon – FORESTRY

1. What is the diameter of the tree labelled A?
 - A. 20 inches
 - B. 28 inches
 - C. 24 inches**
 - D. 30 inches

2. Which of the control methods is used for controlling mature tree-of-heaven?
 - A. Foliar spray
 - B. Cut Stump Herbicide Treatment
 - C. Hack and squirt**
 - D. Soil drench

3. In determining the health and growing ability of a particular tree regardless of species, a forester always assesses what factor?
 - A. Soil type
 - B. Crown condition**
 - C. Bark texture
 - D. Tree height

4. Forester's measure the volume of standing timber by using the following tool(s)?
 - A. Clinometer
 - B. Diameter tape
 - C. Prism
 - D. All the above**

5. How many board feet are in the tree labelled A?
 - A. 216
 - B. 370**
 - C. 551
 - D. 225

6. Most of Ohio's forest land is owned by _____?
 - A. Federal government
 - B. Private landowners**
 - C. State government
 - D. Elon Musk

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7. This technique is commonly used by foresters to kill undesirable trees
 - A. Screening
 - B. Marking
 - C. Girdling**
 - D. Taping

8. BMP's for erosion control for logging and forestry practices can help control?
 - A. Silvicultural non-point source pollutants**
 - B. Invasive plants
 - C. Hardwood regeneration
 - D. Clearcutting

9. Foresters often recommend this thinning practice to promote the most desirable trees?
 - A. Tree planting
 - B. Clearcutting
 - C. Crop tree release**
 - D. Prescribed fire

10. What species is the tree labelled **B**?
 - A. Black walnut
 - B. Black cherry**
 - C. American plum
 - D. Black locust

11. In Ohio Forestry, what is the length in feet of one log?
 - A. 10 ft
 - B. 16 ft**
 - C. 8 ft
 - D. 12 ft

12. What type of product might be used to control invasive shrubs found in this forest?
 - A. Fungicide
 - B. Herbicide**
 - C. Rodenticide
 - D. Insecticide

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13. In Ohio, what causes most wildfires?
- A. Lightning
 - B. Cigarettes
 - C. Debris burning**
 - D. Fireworks
14. What are the three legs of the Wildfire Behavior Triangle?
- A. Heat, Ignition, and Oxygen
 - B. Smoke, Flame, and Intensity
 - C. Plume, Scorch, and Melting Point
 - D. Fuel, Weather, and Topography**
15. What species is the tree labelled C?
- A. American Elm
 - B. Slippery Elm
 - C. Eastern Cottonwood
 - D. Hackberry**
16. Which statement **best** describes Silviculture?
- A. The art and science of growing trees**
 - B. The genetics of tree form
 - C. The science of seeds
 - D. The laboratory production of angiosperms
17. Which of the following are considered secondary forest products manufacturing?
- A. Wood furniture industries**
 - B. Logging contractors
 - C. Shopping malls
 - D. Sawmills
18. Where does most of Ohio's forestland occur?
- A. West of Columbus
 - B. East and south of the glacial line in the western foothills of Appalachia**
 - C. Mercer county
 - D. Lake Erie Watershed

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19. What is the most common forest type found in Ohio?
- A. Maple/Beech/Birch
 - B. White/Red Pine
 - C. Spruce/Fir
 - D. Oak/Hickory**
20. What is the species of vine labelled **D**?
- A. Wild grapevine**
 - B. Poison ivy
 - C. Virginia creeper
 - D. Oriental bittersweet
21. What is a tool used by Foresters to improve the overall health and condition of the forest?
- A. Invasive species control
 - B. Timber harvesting
 - C. Crop Tree Release
 - D. All the above**
22. This shade tolerant tree is also referred to in the timber industry as soft maple?
- A. Sugar Maple
 - B. Black Maple
 - C. Red Maple**
 - D. All the above
23. What has the use of Geographic Information Systems in Forestry improved?
- A. Managing large amount of data
 - B. Forest inventory
 - C. Landscape scale management
 - D. All the above**
24. This tree's wood is often utilized for tight cooperage.
- A. White oak**
 - B. Cherry
 - C. Red oak
 - D. Pink Oak

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25. What is the forest volume in Ohio?

- A. **96.3% hardwoods and 3.7% conifers**
- B. 75% hardwoods and 25% conifers
- C. 50% hardwoods and 50% conifers
- D. None of the above

ALL DONE!

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Katie Gerber for the site-specific Tree ID questions!