

Forestry Friday Challenge

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* Required

Take the "Natural Challenge" with this quiz for the Forestry Station, brought to you by the Pennsylvania Envirothon!



Please enter your name: *

Your answer

Please enter your school name: *

Your answer

Please enter the county you would have represented at this year's Envirothon): *

Your answer



I certify that I will uphold honesty and integrity for this online challenge by 0 points
not using internet, print, or any other outside resource to answer these
questions. *

I will

1. Identify the common name of this tree.

5 points



- Ponderosa Pine
- Virginia Pine
- Eastern Redcedar
- Juniper Cedar

2. The three leaf types include scale like, needles, and _____ . 5 points

- Broad
- Broad and edgy
- Broad and flat
- Broad and round



3. The three main factors that determine forest types include temperature, rainfall, and what?

5 points

- Diversity
- Species
- Succession
- Topography

4. _____ is the leading saw-timber species by volume in Pennsylvania.

5 points

- Northern red oak
- Black cherry
- Sugar maple
- Red maple
- Yellow Poplar

5. How many feet are in a chain?

5 points

- 36
- 26
- 46
- 66



6. Identify the forest pest that is responsible for the devastation to cambium layer to this tree.

5 points



- Spotted Lanternfly
- Gypsy Moth
- Hemlock Woolly Adelgid
- Emerald Ash Borer



7. Identify this invasive plant species.

5 points



- Autumn-olive
- Bush honeysuckle
- Garlic mustard
- Japanese barberry

8. Poorly conceived harvesting practices, known as diameter limit cutting and _____, are shifting overstory species composition, removing desirable seed sources, leaving poorer quality trees, and generally reducing forest economic and ecological values.

5 points

- Overstory removal
- Thinning from below
- Selective cutting



9. Spotted Lanternfly adults are known to prefer the invasive tree species, _____ as a host (PA Dept. of Agriculture 2018) and some evidence suggests that this same species may be necessary for successful completion of the life cycle. 5 points

- Multiflora Rose
- Autumn Olive
- Japanese Barberry
- Tree of Heaven

10. In general, plant communities progress from disturbed area to forest in an orderly and predictable manner known as _____. 5 points

- edge succession
- forest succession
- plant succession
- wildlife succession

11. Which of the following tools is used to measure basal area in a forest community? 5 points

- Biltmore Stick
- Clinometer
- Diameter Tape
- Wedge Prism



12. _____ is the cross-sectional area of trees at breast height. It is a common way to describe stand density. In forest management, it usually refers to merchantable timber and is given on a per hectare or per acre basis. 5 points

- Select cut
- Basal area
- Board feet
- Volume



13. Which of the following trees can be identified by the pictured leaf and fruit? 5 points
fruit?



- Black oak
- Pin oak
- White oak
- Red oak



14. Which of the following trees can be identified by the pictured leaf, buds, and fruit?

5 points



- American Elm
- Common Hackberry
- Slippery Elm
- White Birch



15. Which of the following trees can be identified by the pictured leaf, buds, and fruit?

5 points



- Black Locust
- Black Walnut
- Bitternut Hickory
- Butternut



16. Which of the following trees can be identified by the pictured leaves and fruit? 5 points



- Red Pine
- Virginia Pine
- Pitch Pine
- White Pine



17. Which of the following trees can be identified by the pictured leaves, fruits, and buds? 5 points



- Balsam Fir
- Eastern Hemlock
- Eastern Redcedar
- Norway Spruce

18. What is the scientific name of the tree identified in question 17? 5 points

- Pinus strobus*
- Tsuga Canadensis*
- Juniperus virginiana*
- Larix larcina*



19. Which of the following best identifies the pictured tree?

5 points



- Flowering Dogwood
- Serviceberry
- Cucumber-tree Magnolia
- Redbud



20. Which of the following best identifies the pictured invasive plant?

5 points



- Japanese Barberry
- Japanese Knotweed
- Tree of Heaven
- Sumac

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