

# Forest Facts Crossword



## ACROSS

1. "Other holidays repose upon the past. \_\_\_\_\_ proposes for the future."
5. Something that lies ready for use and is supplied by nature is called a \_\_\_\_\_.
10. Seeds and roots are "asleep" or \_\_\_\_\_ during the winter.
11. The tree's \_\_\_\_\_ consists of four layers.
15. Arbor Day is the first \_\_\_\_\_ in April.
17. The \_\_\_\_\_ in the leaves makes food from sunlight, carbon dioxide and water.
18. \_\_\_\_\_ is the act of taking care of our environment.
19. Roots grow as they search for air, water and \_\_\_\_\_.
23. The process of using the sun's energy to make food is called \_\_\_\_\_.
25. The phloem vessels move \_\_\_\_\_ from the leaves to the rest of the tree.
26. Arbor Day originated from a vision of the future by \_\_\_\_\_.
30. A straight line passing through the center of a circle is called the \_\_\_\_\_.
31. Each year at a certain time, \_\_\_\_\_ trees lose all their leaves.
35. \_\_\_\_\_ is the distance measured around a circle.
36. Tiny roots \_\_\_\_\_ approximately 95% of the water and minerals needed by a tree.
39. Shortleaf pine and redcedar are types of \_\_\_\_\_ trees.
41. Each year a tree adds a new layer of wood to its trunk. We see this as a ring when we look at a slice or \_\_\_\_\_ of the tree.
42. A \_\_\_\_\_ is a small tree that has grown from a seed.
43. \_\_\_\_\_ absorb the majority of the tree's water and minerals.

## DOWN

2. As the \_\_\_\_\_ on the twigs expand, the tree grows taller and wider.
3. The \_\_\_\_\_ are underground and often spread as wide as twice the height of the tree.
4. By counting the \_\_\_\_\_, it is possible to tell the age of a tree.
6. Roots grow as they search for \_\_\_\_\_, water and minerals.
7. In annual rings, the \_\_\_\_\_ is darker than the springwood.
8. The Governor signs a \_\_\_\_\_ each year declaring the first Friday in April as Arbor Day.
9. The \_\_\_\_\_ is the dead, woody tissue in the center of the tree.
12. The \_\_\_\_\_ of trees hold up the branches and leaves.
13. \_\_\_\_\_ is the process which returns nutrients to the soil.
14. Trees produce \_\_\_\_\_ vessels to move sap from the leaves to the roots and other leaves.
16. Trees produce \_\_\_\_\_ cells to bring water and nutrients up from the roots to the leaves.
20. The \_\_\_\_\_ cause the roots to grow long and spread out in search of water and nutrients.
21. One way to learn about trees is to explore their \_\_\_\_\_ from germination to decomposition.
22. Xylem is also called \_\_\_\_\_.
24. Forests are a \_\_\_\_\_, which means they won't "run out" if they are properly managed.
25. The lighter colored part of an annual ring is called the \_\_\_\_\_ because it is produced early in the growing season.
27. There is a close relationship between soil, trees, wildlife and humans. Each is \_\_\_\_\_ upon the others.
28. Trees have three main parts — the roots, the trunk and the \_\_\_\_\_.
29. For a seed to \_\_\_\_\_ and grow, environmental conditions must be just right.
32. Just inside a tree's bark is the growing region of the tree called \_\_\_\_\_. It produces the phloem and xylem cells.
33. By being good stewards of our forests, we are ensuring that there will be forests in the \_\_\_\_\_.
34. Acorns and walnuts are types of \_\_\_\_\_.
37. A tree's \_\_\_\_\_ helps protect it from insects and diseases.
38. Trees give us \_\_\_\_\_ which can be sold.
40. Products made from trees which can be sold are important to our state's \_\_\_\_\_.

