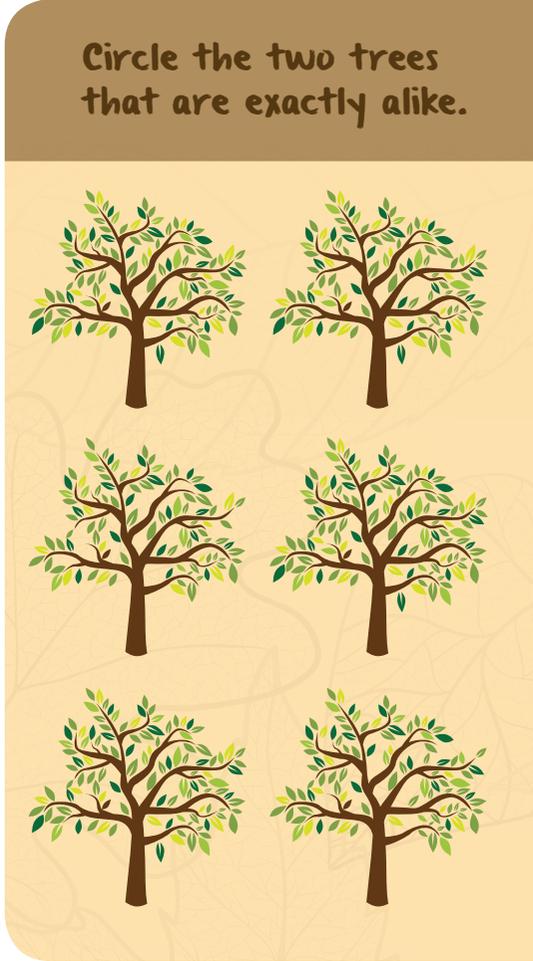


TAKE A DEEP BREATH... IN..OUT.

A large part of that oxygen you just breathed in is made by the leaves found on trees and other green plants. We need and utilize trees all day, every day. Work the crossword puzzle to discover some of the benefits that trees provide.



There are 25 things in this puzzle that we get from trees or parts of trees. See how many you can find and circle.

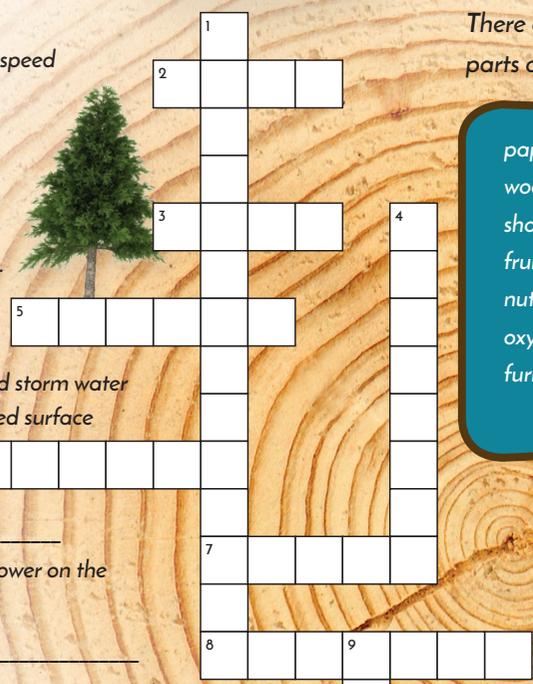
- | | | | |
|-----------|--------------|-----------|----------|
| paper | medicine | deodorant | syrup |
| wood | paint | cereal | vitamins |
| shade | gum | books | toys |
| fruit | detergent | maps | shampoo |
| nuts | helmets | newspaper | |
| oxygen | toothbrushes | guitar | |
| furniture | fabric | crayons | |

ACROSS

- Evergreen trees can be used to reduce _____ speed and thus loss of heat from your home in the winter by as much as 10 to 50 percent.
- Trees increase the humidity in the air, help increase ground water recharge, and reduce _____ erosion.
- Trees _____ and block noise and reduce glare. A well placed tree can reduce noise by as much as 40 percent.
- Trees prevent storm water run-off and reduce the amount of water we consume and the need for new water treatment plants and storm water structures. A study in Salt Lake City revealed the tree canopy reduced surface runoff by 11.3 _____ gallons following a 1 inch rain.
- Trees help settle out and trap dust, pollen and _____ from the air. The dust level in the air can be as much as 75 percent lower on the sheltered side of the tree compared to the windward side.
- You can improve the efficiency of your heat pump by _____ it with a tree.

DOWN

- Decaying leaves promote soil _____, and provide nutrients for tree growth.
- Fallen tree leaves can reduce soil temperature and soil _____ loss.
- _____ trees block sunlight in the summer but allow sunlight to reach and warm your home in the winter.



- WORD BANK**
- moisture
 - absorb
 - shading
 - soil
 - wind
 - smoke
 - million
 - deciduous
 - microorganisms



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National Association of Conservation Districts (NACD)
www.nacdnet.org

Visit: <http://www.nacdnet.org/education/we-all-need-trees> for the educators guide and additional resources.
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