

IT STARTS WITH A SEED...

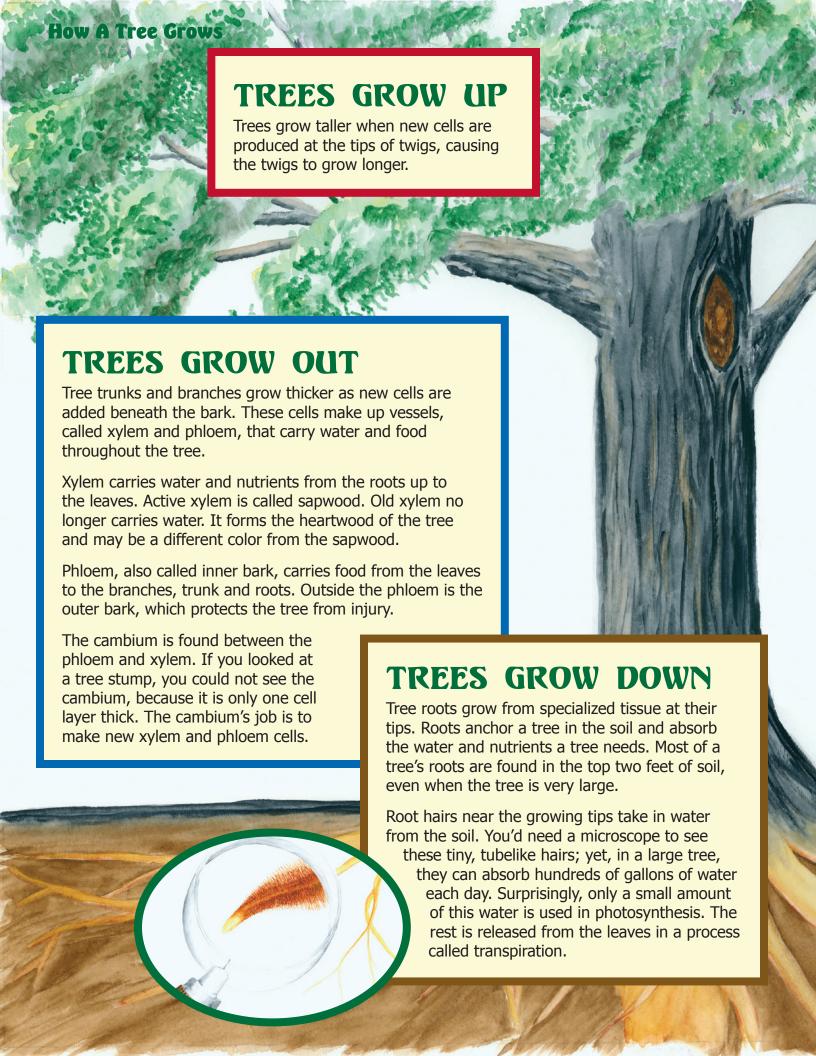
With the right mix of water, light and warmth, a seed sprouts, sending its first shoot up and its first root down. The young leaves begin to soak up the sun. Like all green plants, trees make their own food by a process called photosynthesis. Photosynthesis takes place in the leaves, with the help of a green substance called chlorophyll. Fueled by the sun's energy, water, nutrients and carbon dioxide combine to make sugar and oxygen. The tree releases the oxygen into the air. The tree uses the sugar to produce all of its parts – leaves, wood, bark, roots, flowers and fruits – and to grow larger.

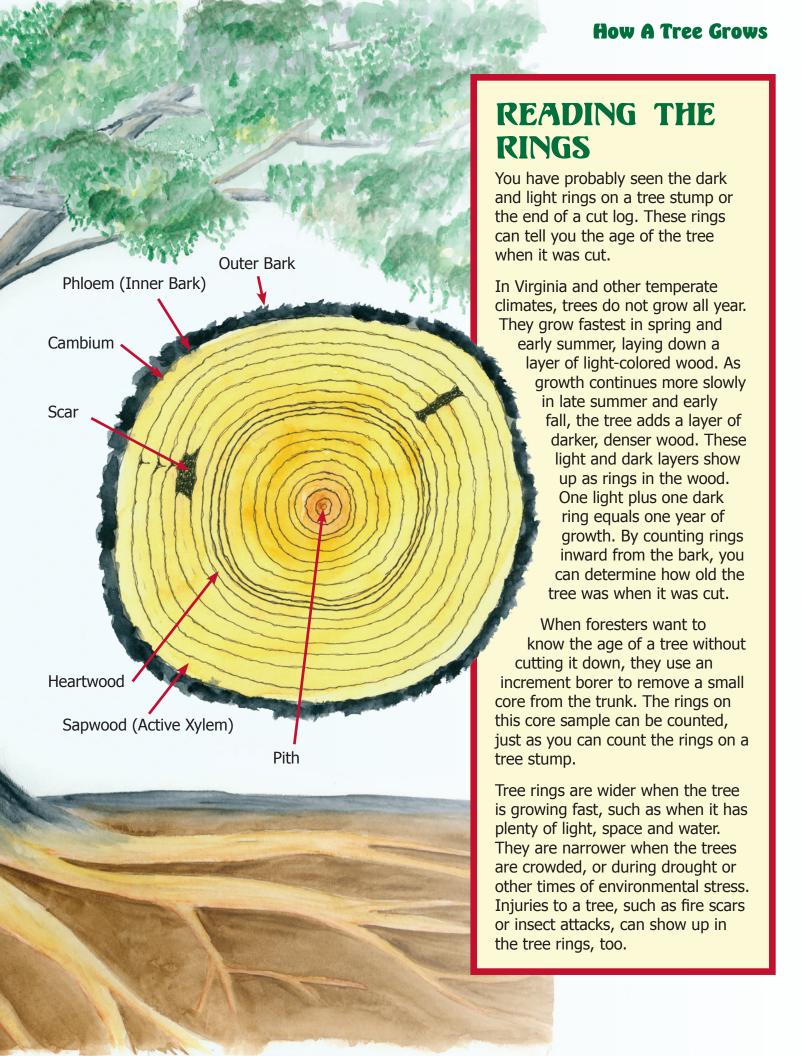
QUESTION:

How far out do a tree's roots grow?

ANSWER:

Most trees' roots extend beyond the widest branch tips.







To see how much you learned, check out the crossword puzzle at www.dof.virginia.gov