

Question Sheet

Score $\frac{\quad}{25}$ + bonus $\frac{\quad}{2}$

Matching:

- | | | |
|---------------------|-------|---|
| a) leaf | _____ | provides support for tree |
| b) root | _____ | large plant with woody trunk |
| c) stem/trunk | _____ | anchors the plant/tree |
| d) tree | _____ | short plant with soft stem |
| e) herbaceous plant | _____ | mini-factory that makes food for the tree |

Fill in the blank:

1. _____ and _____ are carried through the trunk of the tree.
2. A chemical reaction called _____ occurs in the leaves, making food for the tree.
3. A tree's outer bark is made of _____ that protect the tree from _____ and _____.
4. Trees are the world's largest plants. They have a w _____ s _____ or t _____, a r _____ system and a c _____ of b _____ and l _____.

Multiple Choice:

1. The part that allows trees to breath, release oxygen and moisture, and manufacture food is called:
a) bark b) needle / leaf c) root
2. The age of a tree can be decided by:
a) counting growth rings b) measuring height
c) measuring diameter
3. How a tree interacted with its environment can be told by looking at:
a) branches b) roots c) the layers/ growth rings
4. The oldest part of the tree is:
a) the bark b) the cambium c) the heartwood
5. Straw-like tubes that transport or carry water and minerals from the roots to the rest of the tree are called:
a) cambium b) phloem c) sapwood / xylem
6. Color your picture on the last page of your booklet:

heartwood - red
sapwood - blue
cambium cell layer - yellow
inner bark - green
outer bark - brown

BONUS: If you put a nail in a tree one meter from the ground and the tree grows 3 meters taller over the next 5 years, where will the nail be? Why?