

Name \_\_\_\_\_

# Examining the Structures of a Tree

## Part One: Matching

**Instructions.** Match the term with the correct response. Write the letter of the term by the definition.

- |                 |              |            |
|-----------------|--------------|------------|
| a. Phloem       | d. Heartwood | g. Cambium |
| b. Roots        | e. Crown     |            |
| c. Cork cambium | f. Xylem     |            |

- \_\_\_\_\_ 1. The tissue carries food made in the leaves down to the branches, trunk, and roots.
- \_\_\_\_\_ 2. The top part of the tree that includes branches, twigs, buds, and leaves.
- \_\_\_\_\_ 3. It is the means by which raw nutrients and water are carried from the roots to the crown.
- \_\_\_\_\_ 4. Provides strength to the tree and keeps it upright.
- \_\_\_\_\_ 5. Active layer of cells is responsible for the growth of the tree
- \_\_\_\_\_ 6. Serves to anchor and support the tree and to take water and nutrients from the soil for plant growth.
- \_\_\_\_\_ 7. A thin layer of cells between the phloem and the bark itself.

## Part Two: Completion

**Instructions.** Provide the word or words to complete the following statements.

1. Under normal conditions, \_\_\_\_\_ ring(s) is produced each year in the trunk of a tree.
2. A \_\_\_\_\_ root system has one large root with a number of small roots.
3. A major role of the crown is to hold leaves to collect sunlight so \_\_\_\_\_ can occur.
4. A \_\_\_\_\_ root system has many roots that spread and branch in the soil.

## Part Three: Short Answer

**Instructions.** Provide information to answer the following question.

Name the three major parts of a tree.