

Name: \_\_\_\_\_ Grade: \_\_\_\_\_

# Work Sheet

## Growing and Maintaining Tree Fruits

### **Part One: Matching**

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

- |                                   |                                      |
|-----------------------------------|--------------------------------------|
| a. budding                        | f. open-center (vase) pruning system |
| b. fruit thinning                 | g. rootstock                         |
| c. fruiting habit                 | h. scion                             |
| d. grafting                       | i. suckers or watersprouts           |
| e. modified-leader pruning system | j. thinning out                      |

- \_\_\_\_\_ 1. Removal of misshapen, damaged, diseased, and excess fruit.
- \_\_\_\_\_ 2. Removal of excess branches to allow more sunlight into the tree.
- \_\_\_\_\_ 3. Rapidly growing young shoots arising from the roots, trunk, or scaffold branches.
- \_\_\_\_\_ 4. The location where fruit is borne, either laterally along the branch, or terminally at the tip of the branch.
- \_\_\_\_\_ 5. Selecting two, three, or four scaffold branches arising near the same vertical position around the trunk.
- \_\_\_\_\_ 6. Selection of five to nine scaffold branches spaced 10 to 20 cm apart vertically around the trunk.
- \_\_\_\_\_ 7. Procedure where the desired tree shoot is jointed to a root system of a different variety.
- \_\_\_\_\_ 8. Root system and base of a tree on which a fruiting top is attached.
- \_\_\_\_\_ 9. Name given to the fruiting shoot attached to a rootstock.
- \_\_\_\_\_ 10. Procedure where a bud shield is attached to a root system of a different variety.

### **Part Two: Completion**

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

1. All fruits are best ripened on the tree except \_\_\_\_\_.
2. To determine this year's growth of an apple tree branch, measure from the tip of the branch to the \_\_\_\_\_ next to last year's growth, which will have a bright red or yellow color.
3. Pest control requires a spraying schedule from \_\_\_\_\_ to \_\_\_\_\_.
4. Heading back pruning is also called \_\_\_\_\_.
5. \_\_\_\_\_ trees are full size of 6 meters or more tall.
6. Trees less than full size are called \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ . (Place in order of largest to the smallest).
7. The ideal orchard site is easily worked, deep, and includes well-\_\_\_\_\_ soil.
8. The type and variety of fruit to plant depends on family \_\_\_\_\_ and fruit flavor.

### **Part Three: Short Answer**

*Instructions:* Provide information to answer the following questions.

1. What factors determine the size of the orchard to plant?
2. Describe how to plant a bare root tree: