**Environmental Science Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Forestry Period\_\_\_\_**

**1. Tree Species Vocabulary**Define these words associated with the study of trees.

arborist  
broadleaf  
conifer  
crown  
increment borer  
deciduous  
cambium  
evergreen  
petiole  
gall  
Hardiness Zone  
spread  
tree rings  
lobes  
windbreak  
dendrochronology

**2. Leaf Shapes**       
Identify these leaf shapes

|  |  |
| --- | --- |
| SciLeafShapes.bmp (239766 bytes) | 1. Cross           2. Fan           3. Scale-like           4. Heart           5. Needle-like           6. Oval           7. Lance           8. Round           9. Triangular |

**3. Tree Anatomy**       
Label this tree diagram and explain the purpose of the tree parts

|  |  |
| --- | --- |
| SciTreeInnerDiagram.bmp (360150 bytes) | **Label the parts of this tree   Explain the purpose of each part**   * Heartwood * New Wood (Xylem) * Inner Bark (phloem) * Outer Bark * Cambium |

**A.** **B.** 

4. After studying the two diagrams above, write a paragraph describing the choices the owners made concerning tree selection and tree location on their property.