

## Week One – Introduction to Tree Biology Quiz

1. Trees need to grow tall in order to:
  - a. Maximize their value to people
  - b. Outgrow the decay organisms that tend to feed on them
  - c. Improve their ability to capture sunlight so that they can photosynthesize
  - d. Keep their leaves from getting wet
  
2. Compartmentalization is a term that is used in arboriculture to describe how:
  - a. Trees take advantage of environmental resources
  - b. Trees are able to wall off decay organisms
  - c. Trees separate their bark from their wood
  - d. Roots behave differently from branches
  
3. The term that is used to describe trees tendency to grow towards the light is:
  - a. Photosynthesis
  - b. Phototropism
  - c. Phytophthora
  - d. Photography
  
4. All fungi are harmful to trees.
  - a. Yes – because most tree diseases are caused by fungi
  - b. Yes – because decay is caused by fungi
  - c. No – the symbiotic relationship known as mycorrhiza is an example of a beneficial relationship
  - d. No – the symbiotic relationship known as CODIT is an example of a beneficial relationship
  
5. Leaves are the only place where photosynthesis takes place on trees
  - a. True
  - b. False
  
6. Which of the following are examples of growth points in a tree:
  - a. The vascular cambium between the bark and the tree
  - b. The cork cambium within the bark
  - c. The apical meristem within the buds and tips of the roots
  - d. All of the above
  - e. Only a and b