

# Plant Science Gold Test

## Study Guide

- Define the letters N-P-K and know how they support the plant.
- There are thousands of occupations in the plant science field of study.
  - Some are gardener, environmental engineer, turf manager, range manager or conservationist, landscape architect, botanist, florist, conservation biologist, farmer, rancher.
- Chlorophyll is the green pigment found in plants and is used to produce energy from light.
- To promote aeration in soil, the soil around plants may be cultivated or loosened.
- Be familiar with and know the signs of common plant diseases such as rust, powdery mildew, blossom end rot, wilt, and clubroot.
- Many deciduous trees and bushes can be sold in two main forms. Potted or bare root. Bare root plants are removed from the soil while dormant and sold with their roots exposed. This is done for cost efficiency, quick establishment and often offers larger variety of plant selection. A plant has to be planted very soon after purchase to avoid shocking plant.
- Know some common plants that are sold in bare root form.
- A terrarium is an ornamental container that can be opened for maintenance and closed to keep optimal conditions. The main components of a terrarium are the container, rocks for drainage, soil, plants, water and decorative elements.
- Know the steps to setting up a terrarium.
- Identify the more complex parts of a plant.
  - Flower, flower stalk, terminal bud, roots, root tips, branch/lateral shoot, nodes and node axils, leaf, axillary bud, stem