

Plant Science Bronze Test

Study Guide

- Plants need water, light, nutrients, and air (specifically carbon dioxide)
- The 4 seasons are spring, summer, fall and winter.
- Draw a plant and label the four main parts of the plant.
- Plants are used in many ways. Let's talk about some of their uses. Trees provide lumber for building and fuel. Cotton, bamboo, and hemp are commonly used to make clothing and textiles. Thousands of plants are used medicinally across the globe and are the origin of many common medicines used today.
- Two types of trees are deciduous and evergreen. Deciduous lose their leaves in the fall and grow new leaves in the spring, while evergreen trees and shrubs do not lose leaves in the fall.
- Many flowering plants are annual or perennial. Annuals bloom then die and the same plant does not come back the next year. A perennial plant will bloom, "die back", regrow, and bloom the next year.
- USDA hardiness maps can help us determine our growing zones based on first and last frost dates. While there are a range of zones within Kern County, Bakersfield is considered zone 9.
- Botany is the scientific study of plant life.
- When temperature and moisture in the soil are right, a seed will germinate into a plant. Seed germination happens in stages. First a seed sprouts its first root. Then the seedling grows toward light and emerges from the soil with its cotyledons providing nutrients. After a while, it develops its first true leaves. Once it has grown several leaves, it is considered a mature plant.
- You should be able to identify tools such as shovel, trowel, rake, hoe, etc.