

# SEXUAL REPRODUCTION IN PLANTS STUDY GUIDE

## Sexual Reproduction in Plants

### IMPORTANT QUESTION

1. How are the flowers different from one another? Why do you think they have different features?
2. How do plants reproduce sexually?
3. In what way are these flowers similar from one another!

*Some plants reproduce using their parts like their roots, stems, and leaves. However, there are some plants which reproduce by using their accessory part the flower.*

A complete flower has the following parts: receptacle, sepals, petals, stamens and pistils (carpels).

The **receptacle** is the enlarged upper end of a flower stalk which bears the flower or group of flowers.

**Sepals** are modified leaves which enclose and protect the other parts of a flower when it is still a bud. When the flower blooms, the sepal supports the bottom of the flower. A group of sepals is called calyx.

**Petals** form the most obvious part of a flower. Most petals are brightly colored to attract insects for pollination. A group of petals is called corolla.

**Stamen** is a male part of a flower. It consists of the filament and the anther. The filament holds the anther in a position tall