

A)



**Leaving Cert Agricultural
Science**

Free Notes

Plant Structure

Plant Structure:

- 1) Parts of a plant: a) **Calyx** (formed by the sepals), b) **corolla** (formed by the petals)
- 2) **The functions if a stem:**
 - + Stores some food in plants.
 - + Transports water and minerals up from the roots of the plant.
 - + Holds the plant and gives it its upright position.
 - + Connects the roots to the leaves of the plants, flowers and fruit.
- 3) **The function of the flower:**
 - + Sexual reproduction
- 4) **The function of the roots:**
 - + Stores food in some plants.
 - + It anchors the plant in the ground for support.
 - + Absorbs nutrients and water for its survival etc.
 - + Involved in some vegetative propagation in some plants.
- 5) **The function of the leaves:**
 - + Processes such as; photosynthesis, transpiration, translocation, gaseous exchange of gases in and out of the stomata.
 - + Stores some food in plants.

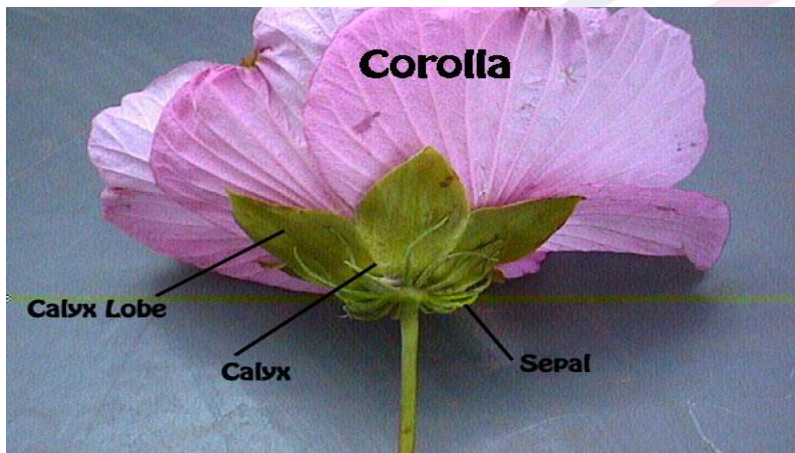


Diagram 1) Insect pollinated flower.

- + The other name for a flowering plant is an angiosperm.
- + The female parts of a flowering plant are called the **CARPEL**. The male parts are called the **STAMEN**.
- + The carpel is made up of the following parts:
 1. Stigma
 2. Style
 3. Ovary
- + The stamen is made up of the:

1. Filament
2. Anther

✚ The three main stages of sexual reproduction is:

1. Pollination
2. Germination
3. Germination

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