



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION  
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## ANSWER: WORKSHEET- 3 1<sup>st</sup> Term

Class: 3

Subject: SCIENCE

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### Parts of a Plant

1. Answer the following questions.

- a. What do you understand by the shoot of a plant? What does the shoot consist of? What do you understand by stem? Name the two types of stems.

**Ans.** The part of the plant growing above the ground is called the shoot of the plant. It consists of stem, leaves, flowers, fruits and buds.

The stem grows above the ground and holds the plant upright. It bears branches, leaves, flowers and fruits. It also holds the leaves up so that they get plenty of sunlight.

The two types of stems are strong and weak stems.

- b. Explain the difference between the two types of stems with the help of examples. What are the functions of the stem?

**Ans.** Trees such as banyan have a strong stem known as the trunk, which hold the tree upright. While, plants such as grapevine and watermelon have weak stems. They either crawl along the ground or need support of other plants, sticks or walls.

The functions of the stem are:

- The stem holds the plant upright.
- It passes food and water to all parts of the plant.
- It carries water and minerals from roots and food from leaves to all parts of the plant.

- c. Name some plants which store food in their stem and can be eaten. Give some examples of underground stems. What do you know about the size and shape of leaves? What do you understand by stomata? What is the function of stomata? Define photosynthesis.**

**Ans.** In some plants, like potato and sugarcane the stem stores food and can be eaten.

Potatoes, ginger and onions are some examples of underground stems.

We know that, leaves of different plants have different shapes and sizes.

Leaves have tiny holes on the lower surface called the stomata.

The function of stomata is that, the air enters through these holes and help the plants to breathe.

The process by which leaves make use of sunlight, carbon dioxide from air, and water and minerals from roots to make food is called photosynthesis.

- d. Why is a leaf called ‘the food factory or kitchen of the plant’? What do understand by chlorophyll? What is the function of chlorophyll? Which gas is released during the process of photosynthesis? Give some examples of plants which store food in their leaves and can be eaten.**

**Ans.** The leaves are where the food for the plant is prepared. Hence, it is called the food factory or kitchen of the plant.

Chlorophyll is the green-coloured substance that is present in leaves. The function of chlorophyll is that, it helps the plant to trap the sunlight during photosynthesis.

Oxygen gas is released during the process of photosynthesis.

Some plants such as spinach and lettuce store food in their leaves and can be eaten.