



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION
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ANSWER: WORKSHEET- 2 1st Term

Class: 3

Subject: SCIENCE

Date: 11.02.2021

Parts of a Plant

1. Answer the following questions.

- a. Name the different parts of a plant. Why do these different parts of a plant work together? Explain the difference between the two main parts of the plant.

Ans. The different parts of a plant are roots, stem, leaves, flowers and fruits. The different parts of a plant work together to help the plant live and grow. The two main parts of a plant are its shoot and root. Shoot consists of parts of a plant like stem, leaves, flowers and fruits that grow above the ground. While, the roots grow below the ground. The shoot grows upwards towards the sunlight. While, the roots grow downwards deep into the soil.

- b. What are the functions of the root? Name some roots which store food and can be eaten.

Ans. The functions of the root are:

- The root holds the plant firmly to the soil.
- It also holds the soil and prevents it from being washed away.
- It helps the plant to stand upright and prevents it from falling down.
- It absorbs water and minerals from the soil and passes them to the stem.
- In some plants, roots store food.

Carrots, radishes, turnips and beetroots are roots which store food and can be eaten.

c. Name the two different types of roots. What are taproots? What is the function of root hair? Give examples of plants which have taproots.

Ans. The two different types of roots are taproots and fibrous roots.

Taproots have a main thick root that grows from the bottom end of the stem. It is further divided into many branches or side roots. These branches have very thin root hair.

The function of the root hair is to absorb water and minerals from the soil. The examples of plants which have taproots are peepul, bean, rose and tomato.

d. What do you understand by the term mineral? How do water and minerals reach the different parts of a plant? What is the difference between taproots and fibrous roots? Explain. Give examples of plants which have fibrous roots.

Ans. A mineral is a naturally occurring substance in the earth. It is not a part of an animal or a plant.

The roots absorb water and mineral from the soil and pass them to the stem. The stem, in turn, passes water and minerals to the other parts of the plant.

The difference between taproots and fibrous roots are

Taproots have a main and thick root growing from the bottom end of the stem, which divides into many branches or gives rise to smaller side roots.

While, fibrous roots are thin, hair like cluster of roots of approximately same size growing from the end of the stem.

The examples of plants which have fibrous roots are wheat, grass, rice and sugarcane.