

Answers

Theme 4: How We Live

Lesson-5: Plants

Main Coursebook

I am ready

1. Seed
2. Stem
3. Leaf
4. Seed
5. Root
6. Fruit

Catch Up (Page 35)

1. Tap root
2. Leaves

Catch Up (Page 37)

1. True
2. False

I am a learner

- A. 1. c 2. b 3. b 4. b 5. b
- B. 1. True 2. False 3. True
4. False 5. False
- C. 1. Stem, branches, leaves, buds, flowers and fruits.
2. The leaves make food for the plant by photosynthesis. Therefore, the leaf is called the kitchen of the plant.
3. Two functions of the stem are as follows.
- i. It hold the plant upright.
 - ii. it transports water from the roots to other parts of the plant.
- D. 1. Roots grow under the ground and help plants stay fixed in the soil. There are two types of roots – tap roots and fibrous roots.
- A tap root has one thick main root. Many smaller roots grow from this main root. Plants, such as carrot, radish, turnip, bean and mustard have tap roots.
- A fibrous root has many thin roots growing from the base of the stem. It does not have one main root. Plants, such as grass, wheat, rice, onion and banana have fibrous roots.
2. Leaves of different plants have different shapes, sizes and colours. Some leaves are oval-shaped, while some are heart-shaped. They may have smooth or uneven edges. Lamina of some leaves is waxy, while some other leaves have hairy lamina. This wide variation in appearance of leaves is known as leaf diversity.

I am a thinker

Yes. This statement is true because animals depend on plants for food and oxygen. If

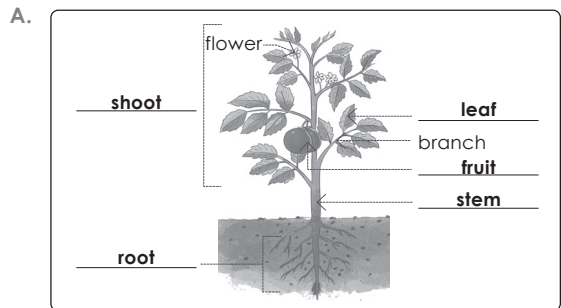
plants are removed from the Earth, animals will not get food or fresh air to breathe. Without plants, all animals would die.

I am an all-rounder

- A. **English:**
1. flour
 2. so
- B. **Maths:** 250
- C. **Social Studies:** Rice

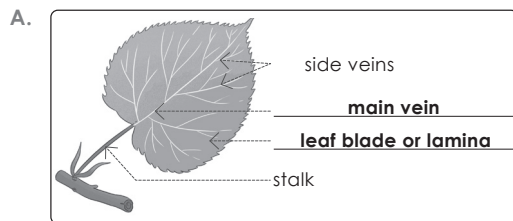
Students' Worksheets

Worksheet 1



- B. 1. shoot 2. root 3. leaves
4. lamina 5. flower
- C. 1. ROOT 2. STEM 3. LEAF
4. FLOWER 5. FRUIT

Worksheet 2



- B. 1. round-shaped leaf
2. hand-shaped leaf
3. spear-shaped leaf
4. heart-shaped leaf
5. needle-shaped leaf
- C. 1. False 2. True 3. False
4. False 5. True

Worksheet 3

- A. 1. Tap root and fibrous root.
2. Accept all relevant responses.
3. The lamina is the flat and broad part of a leaf.
4. Photosynthesis is the process by which green leaves make food using air, water and sunlight.
5. A bud is a young flower.

B.

Plants	Animals
1. They can make their own food.	1. They eat plants and other animals.
2. They cannot move from one place to another.	2. They can move from one place to another.
3. They breathe through tiny pores on their leaves called stomata.	3. They breathe through lungs, gills or air holes.
4. They reproduce by seeds.	4. They reproduce by laying eggs or giving birth to their young ones.
5. They do not have sense organs.	5. They have sense organs.

C. 1. True 2. True 3. False 4. False 5. True

Worksheet 4

A. The stem grows above the ground.

Functions of the stem

- It keeps the plant upright.
- It provides support to the branches.
- It carries water from the roots to the leaves and other parts of the plant.
- Some stems store extra food. Examples of such plants are potato, ginger and sugarcane.

B. The root grows under the ground.

Functions of the root

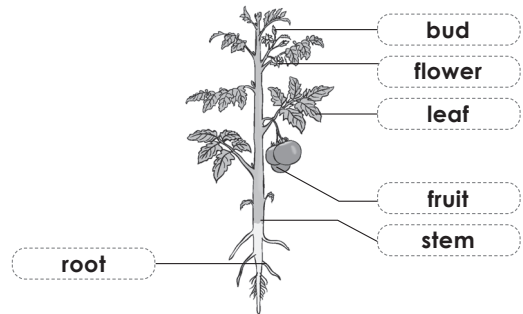
- They fix the plant to the soil.
- They absorb water and nutrients from the soil.
- Some roots store food for the plant. Examples of such roots are carrot and turnip.

C. 1. stem 2. root 3. leaf
4. leaf 5. stem

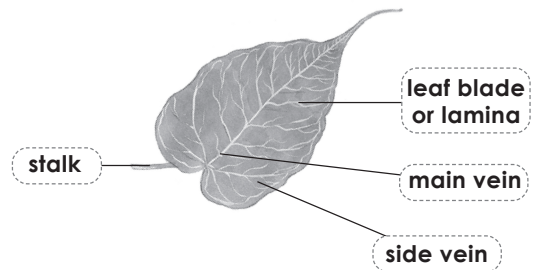
Teacher's Worksheets

Worksheet 1

A.



B.



Worksheet 2

1. The root of a plant grows below the ground. There are two types of roots –tap roots and fibrous roots. But the shoot grows above the ground and it has stems, branches, leaves, buds, flowers and fruits.
2. The stem keeps the plant upright. It provides support to the branches. It carries water from the roots to the leaves and other parts of the plant.
3. When the same type of plant is grown in a large area, it is called a crop. For example, corn, wheat and rice.
4. The green leaves of the plant make food with the help of air, water and sunlight by the process called photosynthesis.
5. Tap root: Carrot, radish and turnip
Fibrous root: Wheat, rice and onion