



## 12

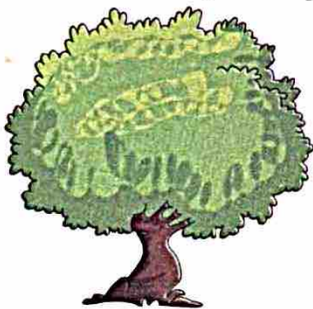
## Plants and their Parts

We see many plants all around us.

Let us categorize plants on the basis of places where they grow. Some plants grow on land, some in water and some in a desert.

**Land Plants**

Plants that grow on land are called **land plants** or **terrestrial** plants. They may be herbs, shrubs, trees, climbers or creepers.



Tree



Herb



Shrub



Climber

**Herbs** : Mint and tulsi

**Shrubs** : Rose and hibiscus

**Trees** : Mango and banyan

**Climbers** : Money plant and grapevine

**Creepers** : Watermelon and pumpkin

**Desert Plants**

Some plants grow in a desert. They need very less water. They are called **xerophytes**.

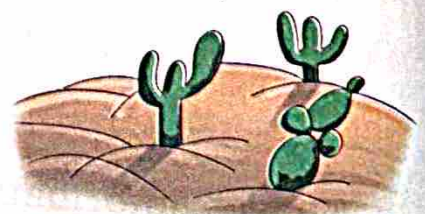
Examples : Cactus and babool.

**Teacher's Tip**

Encourage the children to take care of plants.



Creeper



Cactus



## Water Plants

Plants that grow in water are called **water plants** or **hydrophytes**.  
Example: Lotus, water hyacinth and duckweed.



Lotus



Duckweed

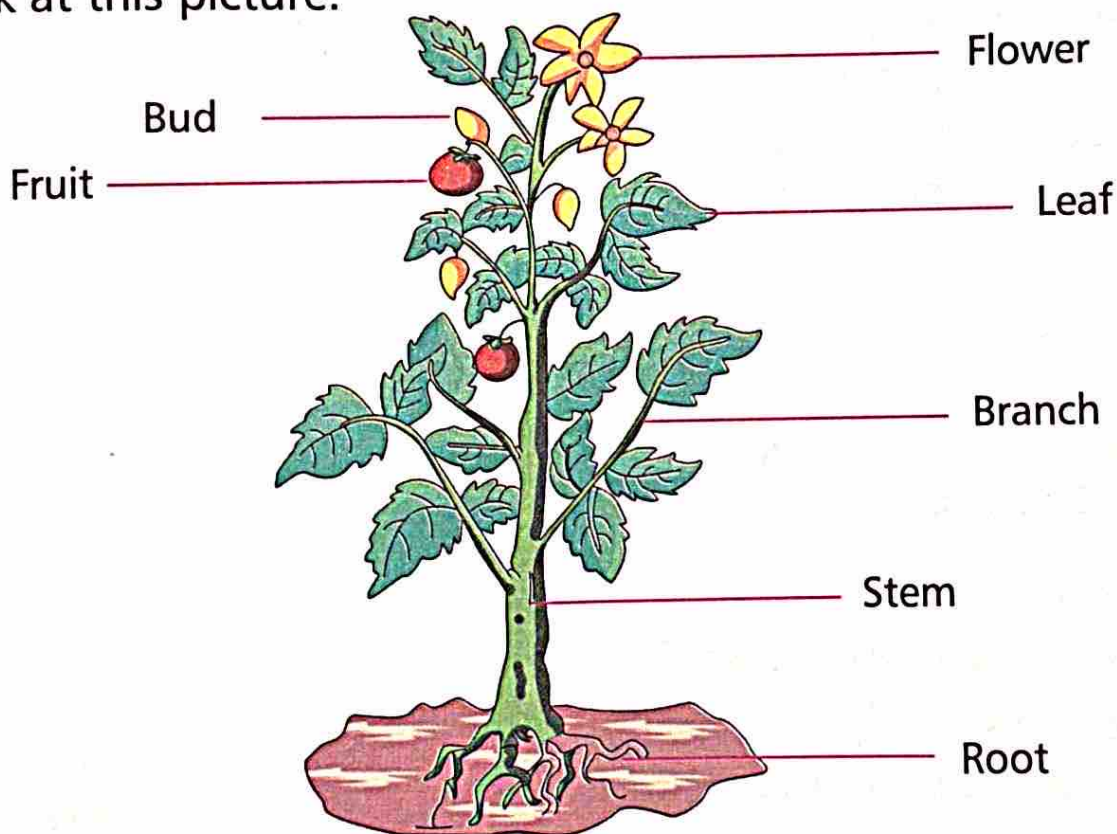
Water plants



Water hyacinth

## Parts of a Plant

Look at this picture:



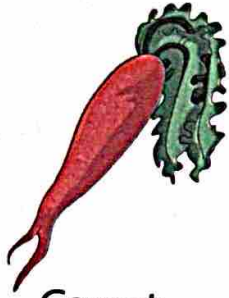
Plants have different parts. Each part of a plant performs different function.

Let us read about the functions of different parts of a plant.

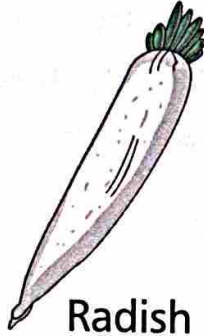
## 1. Roots

Roots are present under the ground. Roots bind the plant in the soil. They absorb water and minerals from the soil.

Some roots like carrot, radish, turnip and beetroot store food. We eat these roots.



Carrot



Radish



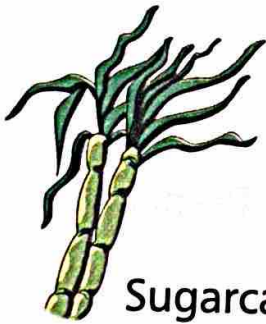
Turnip



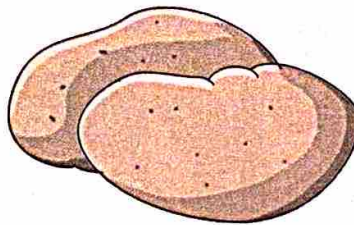
Beetroot

## 2. Stem

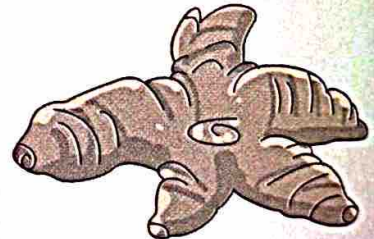
Stem is present above the ground. Stem gives support to the plant and keeps it upright. It carries food and water to various parts of the plant. Some of the stems that we eat are sugarcane, ginger and potato.



Sugarcane



Potato

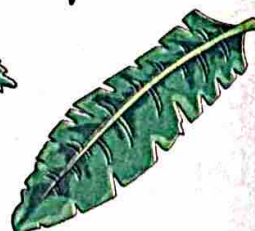
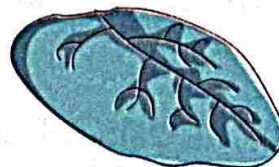


Ginger

## 3. Leaves

Leaves make the food for the plant with the help of sunlight.

There are different types of leaves:



### Did You Know?

Leaves are called the food factories of the plant.



#### 4. Flowers

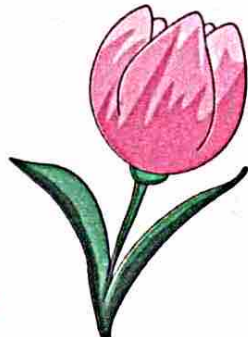
Flower is the most beautiful part of the plant. It contains seeds. It changes into fruit.



Rose



Sunflower



Tulip



Lotus



Jasmine



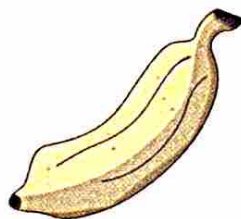
Daisy

#### 5. Fruits

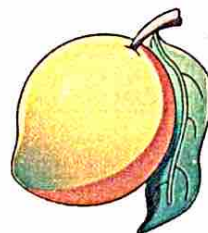
Fruits are edible parts that are juicy. They contain seeds.



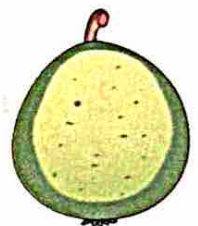
Apple



Banana



Mango



Guava



Litchi



Papaya



Pineapple

#### 6. Seeds

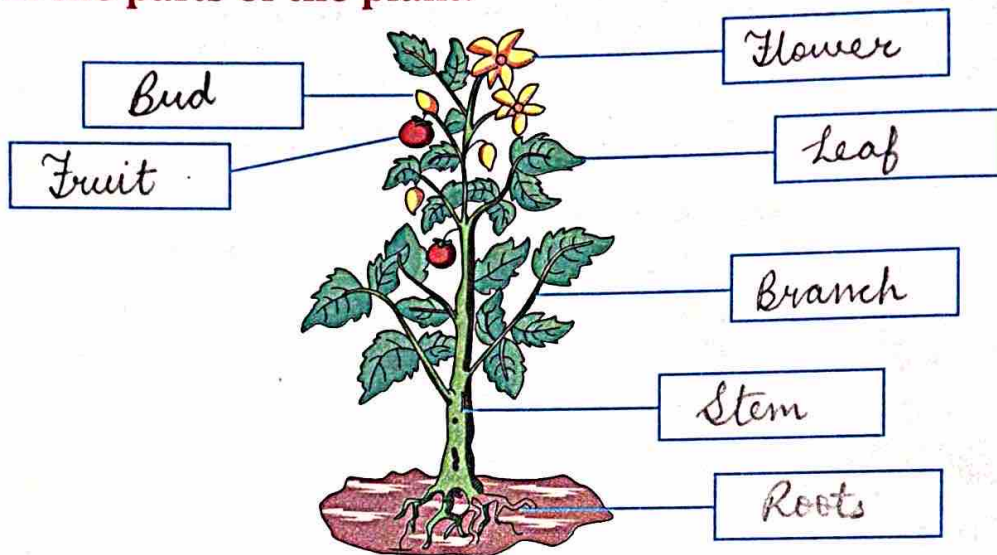
Seeds store food. They contain the baby plant that grows into a new plant.

#### Let's Recall

- \* Plants are found everywhere – on the land, in water and in deserts.
- \* Parts of a plant are flowers, fruits, leaves, seeds, roots and stem.

## Let's Answer

### A. Label the parts of the plant:



### B. Write one function of each of the following:

1. Roots Roots bind the plant in the soil.
2. Stem Stem gives support to the plant and keeps it upright.
3. Leaves Leaves make the food for the plant with the help of sunlight.
4. Flowers Flowers contain seeds and it changes into fruit.

### C. Write 'Yes' or 'No':

1. Mint is a herb.
2. Cactus is a water plant.
3. Seeds are found on the leaves.
4. Pumpkin is a creeper.

yes  
no  
no  
yes

## Let's Do

Collect different leaves. Dry them and make an album.



Tender Heart High School

Class - II

Date: 14.10.24

Subject - Environmental Studies

Teachers - Ms. Harjit Kaur, Ms. Gyoti Arora, Ms. Rupinder Kaur.

## Lesson-12, Plants and their parts

### I Fill in the blanks:

1. Terrestrial plants grow on land.
2. The plants that need less water to grow are called xerophytes.
3. Lotus is a water plant.
4. Leaves makes the food for the plant.
5. Fruits are edible part of a plant.

### II Write true or false-

- |                                   |              |
|-----------------------------------|--------------|
| 1. Mint is a herb.                | <u>true</u>  |
| 2. Cactus is a water plant.       | <u>false</u> |
| 3. Seeds are found on the leaves. | <u>false</u> |
| 4. Pumpkin is a creeper.          | <u>true</u>  |

### III Match the following:

- |                |            |
|----------------|------------|
| 1. Creeper     | Mint ③     |
| 2. Water plant | potato ⑤   |
| 3. Herb        | pumpkin ①  |
| 4. flower      | Duckweed ② |
| 5. stem        | Tulip ④    |