

So Many Plants!

2

Focus On

- Types of Plants
- Parts of Plants
- How Plants Grow?

▼ Here We Go...

We see many plants in our surroundings. Most are green in colour. They are of different types. They need air, water and sunlight to grow.

Identify the given trees and plants and write their names.



Plants give us many things like fruits, vegetables and flowers etc.

Types of Plants

Observe the plants around you. Do all of them look the same? Do all of them have the same size and colour?

Plants are of different types and sizes.

In this chapter, we will learn about different types of plants.

There are many plants around us. Some plants are big while some are small.



OPENER

Though it may seem so, not all plants are green. Some are red, brown and yellow as well.

Trees

Big, strong and tall plants are called **trees**. They have a strong and thick stem called **trunk**. Mango tree, neem tree, banyan tree, pipal tree etc. are some such examples.



Mango



Neem



Pipal



It's Your Duty!!

- Take care of plants.
- Do not hurt plants.
- Plant more trees.

Shrub

A **shrub** or **bush** is a small to medium sized plant. It has multiple woody stems and so, can stand on its own. Sunflower and rose are two shrubs.



Sunflower



Rose



Mint



Tulsi

Herb

A **herb** is a small plant. It has a soft stem. Herbs are used to flavour food and make medicines and perfumes. Coriander, mint and tulsi are some herbs.

Fact Byte

- ❖ The Banana plant is the world's largest herb.

Climbers

These plants need support to grow and stand. They have a thin and weak stem, so they cannot stand on their own. They are called **climbers**. They usually climb on other trees. Grapevine, gourds and moneyplants etc. are some examples of climbers.



Grapevine



Moneyplant

Fact Byte

❖ Moneyplant is one of the easiest climber to grow.

Creepers

Creepers are just like climbers but they creep and grow along the ground. They also have a weak stem and cannot stand on their own. Pumpkin, cucumber and watermelon are examples of creepers.



Pumpkin



Cucumber

Plants Found in Different Surroundings

Plants grow in different places such as water, soil, mud etc.



Lotus



Water lily

Water Plants

Have you ever seen plants in a lake or pond? Some plants grow in water also. Lotus, water lily and duckweed are examples of water plants.

Desert Plants

Some plants need very less water to grow. Such plants grow in deserts also. They have thorns instead of leaves. Cactus, date palm and fig are examples of desert plants.



Cactus



Date palm



ACTION TIME 1

Write two examples of :

Trees

Shrubs

Climbers

Creepers

Herbs

Parts of a Plant

Different parts of a plant are as follows :

Roots

Roots fix the plant tightly into the soil. They carry water and things needed by the plant to live and grow from the soil to the stem.

Stem

It supports the whole plant. It also carries food and water from the roots to the other parts of the plant.

Branches

Branches bear leaves, fruits and flowers. They also carry food and water to leaves.

Leaves

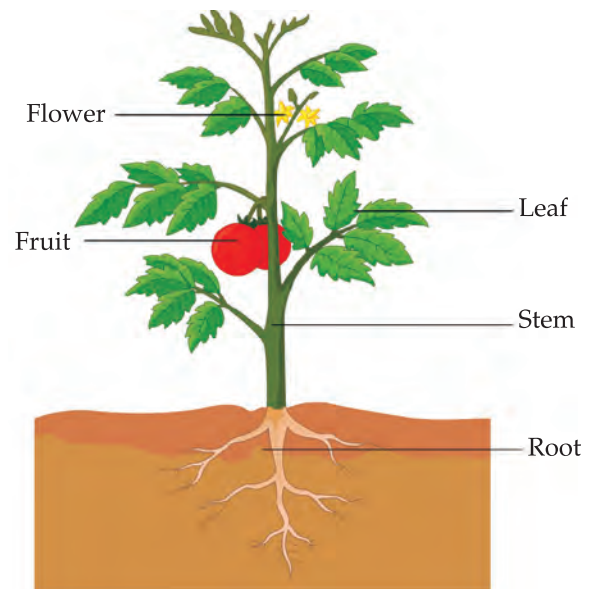
Leaves are the kitchen of a plant. They make food for plant.

Flowers

Flowers become fruit after growing. They add beauty to the plant.

Fruits

Fruit has seeds inside them. They are tasty to eat and make us healthy.



Parts of a plant



ACTION TIME 2

Identify the given leaves :



How Seed Becomes a Plant

Seeds are found in a fruit. We eat fruits and throw their seeds away. Seeds sown in soil begin to grow into new plant. Small and thin stem comes out. Leaves begin to grow. A plant needs air, water and sunlight to grow.



Journey of a seed to plant

Flash On

- * We have many types of plants in our surroundings.
- * Small weak-stemmed plants are called herbs.
- * Plants having strong but thin stem are called bushes or shrubs.
- * Some plants cannot stand on their own so they climb on other plants. They are called climbers.
- * Some plants which creep along the ground are called creepers.
- * Very big and strong plants are called trees.
- * Some plants grow in water and are called water plants.
- * Some plants have thorns and grow in deserts. They are called desert plants.
- * All plants need air, water and sunlight for their growth.
- * A seed becomes a plant.
- * Different parts of plants are roots, stem, branches, leaves, flowers and fruits.
- * Seeds are found inside the fruit. Leaves are of different sizes and shapes.

Picture Review



Trees have hard stem.
It is also called **trunk**.



Climbers need support of other plants because their stems are weak.



Creepers grow along the ground because their stems are weak.

Exercise

A. Tick (✓) the correct answer :

1. Desert plants have :

(a) leaves

(b) thorns

2. Plants used for flavouring food are :

(a) herbs

(b) shrubs

3. Lotus is a :

(a) desert plant

(b) water plant

4. This part of plant makes food from sunlight.

(a) Leaves

(b) Roots

5. This part of the plant contains seeds.

(a) Fruit

(b) Leaf

B. Fill in the blanks by choosing words from the help box :

Strong, different, roots, water, stem, thorns

1. _____ carries food and water to other parts of plants.

2. Big trees have _____ stem.

3. _____ hold the plant tightly into the soil.

4. Desert plants need very less _____ and they have _____ instead of leaves.

5. Leaves are of _____ shapes and sizes.

C. Write 'T' for true and 'F' for false statements :

1. Mangoes grow on a climber.

2. Climbers have strong stem.

3. Desert plants have thorns.

4. Grapes grow on climbers.

5. All plants need air, water and sunlight.

D. Answer the following questions :

1. Where does a cactus grow?

2. What type of plant is Lotus?

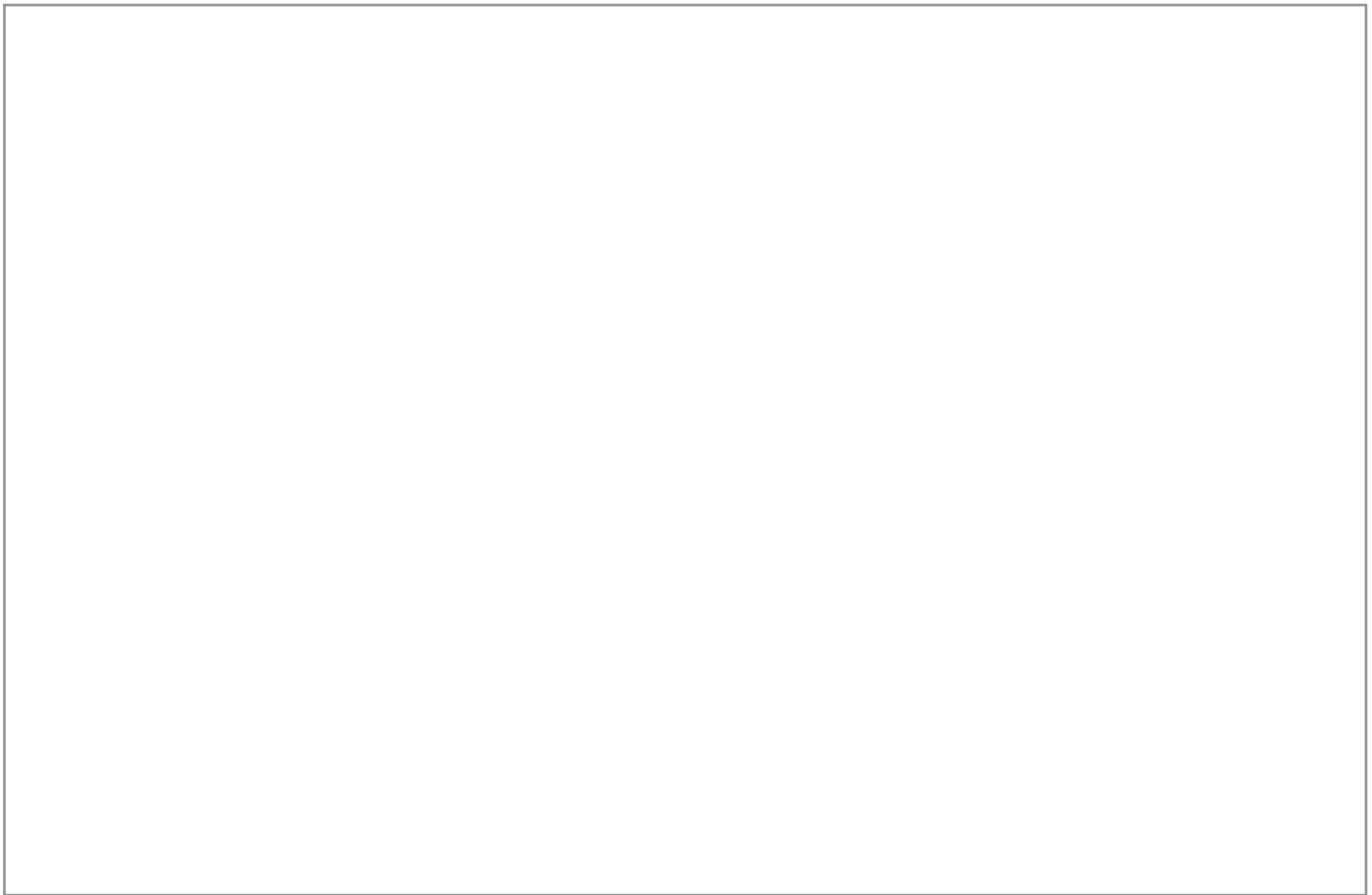
3. Which types of plants have weak stems?

4. Name the things which a plant need to grow.

5. What is the other name for the thick and strong stem of a tree?
6. What are big plants called?

Practice Time

- ❖ Visit a garden and observe different types of plants. Make a list.
- ❖ Collect seeds of all the fruits you eat and throw them in soil, wherever you go.
- ❖ Take some leaves, colour them on one side and make impressions in the given space. Also make a greeting card with this method.



- ❖ **Everyday Science**

A lot of herbs like basil and mint are used in every Indian kitchen. With the help of your mother, identify some of them. Collect samples in plastic pouches, staple them in your scrapbook and write their names.