



You will learn about

- ❖ The parts of a plant
- ❖ Different kinds of plants
- ❖ Benefits of plants
- ❖ Trees as habitats for animals

Parts of a Plant



A group of students went on a field visit to a garden. Meena looked at a **sapling** closely and asked her teacher, "One part of this **plant** is **green** while the other part is **brown** in colour. Why is it so, teacher?"



The teacher explained, "Our body has different parts such as hands, legs and head. In the same way, plants also have different parts. They are of different colours. Let us learn about them".

Let Us Discuss

Look at a plant. What do you see? Can you guess what the different parts of the plant do?

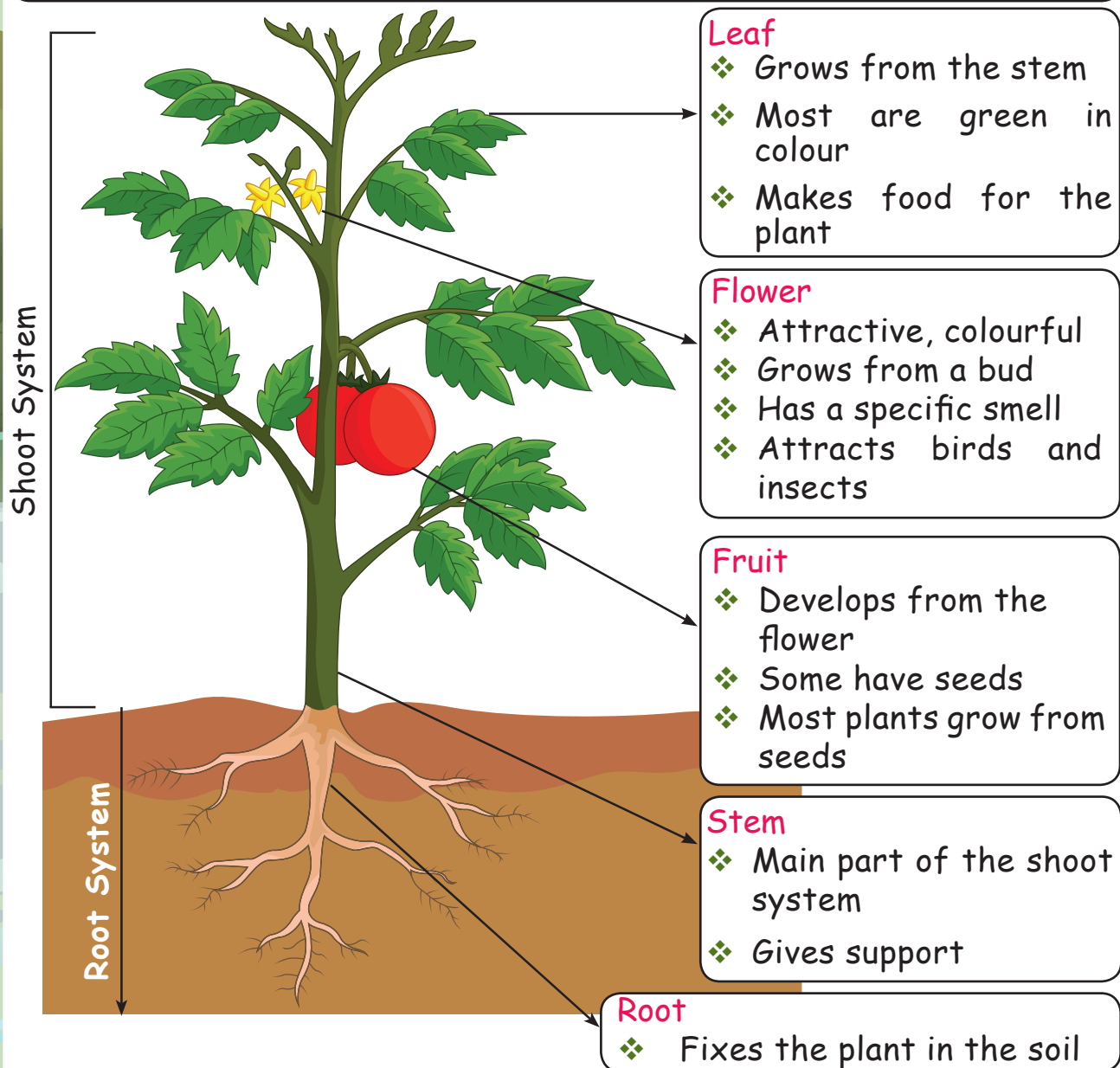
Every plant has a root and a shoot system.

Root System

The part of the plant that grows **under the ground** is called the root system.

Shoot System

The part of the plant that grows **above the ground** is called the shoot system. It consists of stem, leaf, flower and fruit.



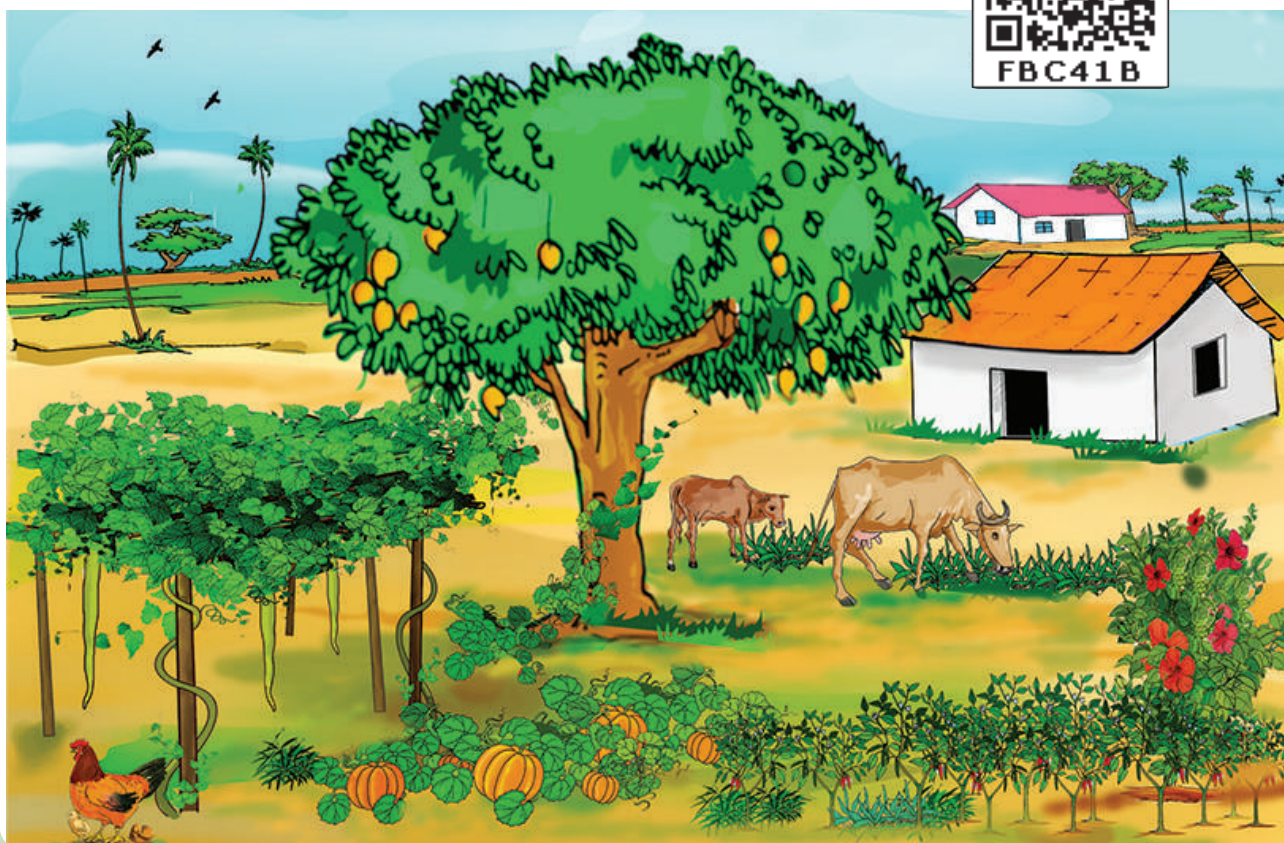


Label the parts of a plant. (Flower, Leaf, Stem, Root, Fruit)



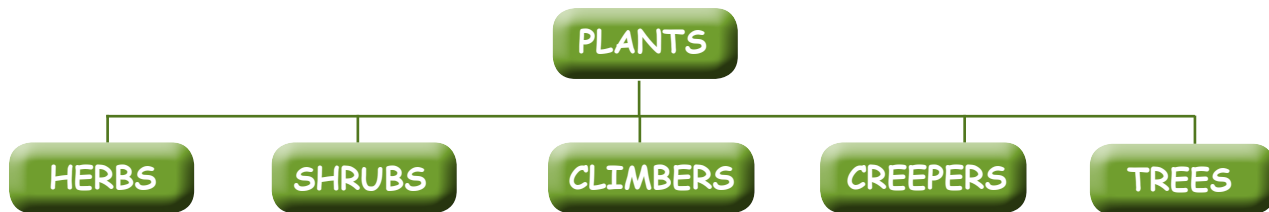
Different Kinds of Plants

Look at the picture and name some of the plants that you know. What else do you observe?





Plants are of different kinds. They can be grouped based on the size and nature of their stems.



Word List
small, thin, soft, stem, hard, weak, support

Herbs

Herbs are **small** plants with **thin** and **soft** stems. Most of them live for a **few months** only; e.g., Mint, Coriander, Grass.



Mint
(Pudina)



Coriander
(Kothamalli)



Grass
(Pul)

Shrubs

Shrubs are **smaller than trees**. They have many stems that grow close to the ground. The stems are **thin** and **hard**. Shrubs live for **several years**; e.g., Shoe flower, Oleander, Jasmine.



Shoe flower
(Sembaruthi)



Oleander
(Arali)



Jasmine
(Malligai)

Note for the teacher: Visit a garden nearby with your students and ask them to observe different kinds of plants.

Climbers

Climbers have **weak stems** and they **need support** to climb and grow. Some of them live for a **few months** only; e.g., Broad beans, Snake gourd, Ridge gourd.



**Broad beans
(Avaraikkai)**



**Snake gourd
(Pudalankai)**



**Ridge gourd
(Peerangkai)**

Creepers

Creepers are plants that have **weak stems**. They grow **along the ground** and **bear large and heavy fruits**. Many of them live for a **few months** only; e.g., Pumpkin, Watermelon, Muskmelon.



**Pumpkin
(Poosanikkai)**



**Watermelon
(Tharpoosani)**



**Muskmelon
(Mulaam pazham)**

Trees

Big and tall plants are called trees. They have **hard and thick woody stems** called trunks. Trees have **many branches**. They live for **many years**; e.g., Banyan tree, Coconut tree, Mango tree.



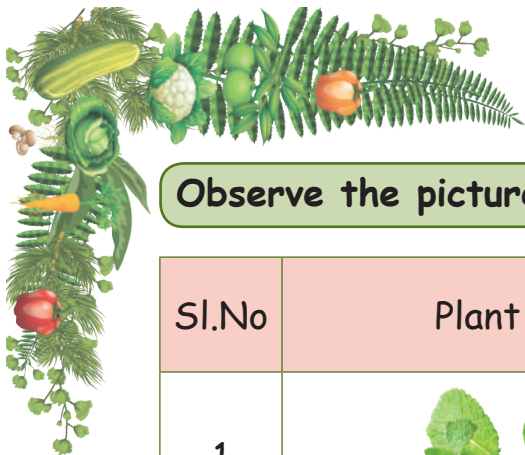
**Banyan tree
(Ala maram)**








**Coconut tree
(Thennai maram)**



**Mango tree
(Ma maram)**



Observe the pictures and complete the table.

Sl.No	Plant	Colour of the stem (green / brown / red)	Texture of the stem (hard / soft)
1			
2			
3			
4			
5			

Benefits of Plants

Let Us Discuss

We get vegetables, fruits, cereals, pulses, spices, oil and medicines from trees, shrubs, herbs, climbers and creepers.

Vegetables



Lady's finger
(Vendaikkai)



Devil's fig
(Sundakkai)



Bottle gourd
(Suraikkai)



Fruits



**Pomegranate
(Mathulai)**



**Grapes
(Thiratchai)**



**Jackfruit
(Palapazham)**

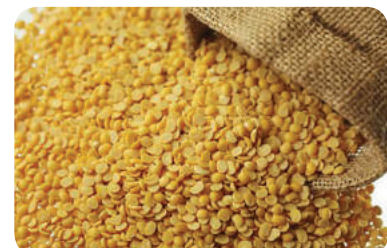
Cereals and Pulses



**Rice
(Arisi)**



**Wheat
(Kothumai)**



**Red gram-split
(Thoovaram paruppu)**

Spices



**Bay leaves
(Biriyan elai)**



**Cardamom
(Elakkai)**



**Pepper
(Milagu)**

Oils



**Coconut oil
(Thengai yennai)**



**Castor oil
(Amanakku yennai)**



**Groundnut oil
(Kadalai yennai)**



Medicines



**Stone breaker
(Keezhanelli)**



**Climbing brinjal
(Toothuvalai)**



**Eucalyptus
(Thylamaram)**

**DO
YOU
KNOW?**

Coconut Oil is used both for cooking and as hair oil.

Find the odd one in the group and put a tick (✓) mark.



a.



b.



c.



d.



Other Benefits of Plants



We use different parts of the plants in many other ways. Let us talk about it.

As Fibre

The thread-like structure taken from a plant is called a fibre. Fibres are used for making ropes and cloth. We use ropes and cloth in many ways.



As Plates for Eating

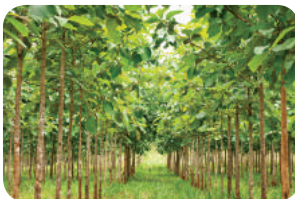


Plantain leaf



Areca plate
(Pakku mattai)

As Timber



Teak wood



Neem wood



Door made from wood

The thick trunks of some trees are used for making doors, windows, tables, chairs and other things.

As Cosmetics



**Henna
(Marudhani)**



**Soap pod
(Shikakai)**



**Aloe vera
(Katrashai)**

As Household Things

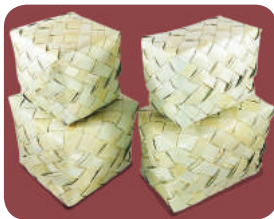
Palm leaves are used to make boxes, baskets and hand fans. Bamboo is used to make paper, chairs and winnows.



Palm tree



Bamboo



Palm leaf box



Hand fan



Winnow



Chair

As Ornamental Plants



Rose



Croton



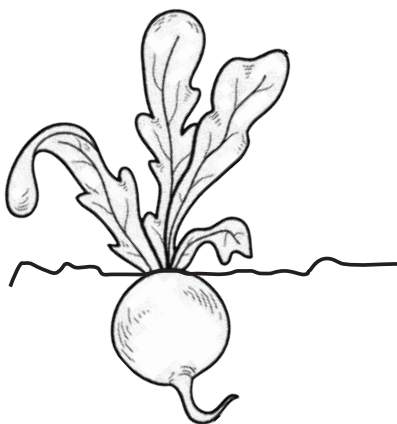
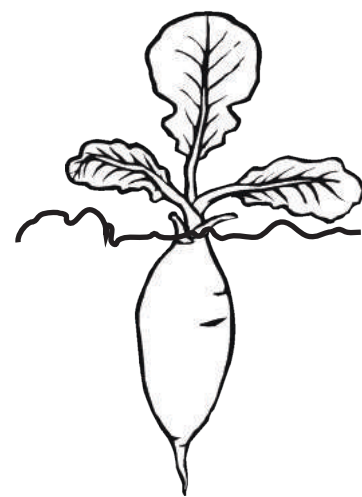
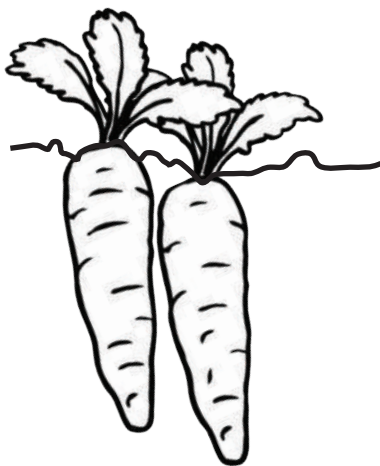
Cactus



Match the plants with their products.



Colour the parts of the plants that you can eat.





Tree as a Habitat



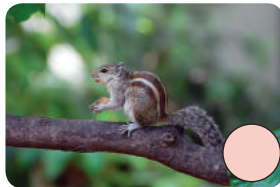
Let Us Discuss

Observe all the living beings in and around a tree and talk about them. The **tree** is a **home (habitat)** for many small animals such as birds, insects, squirrels and monkeys. Trees give us **shade** and **clean air**.





Tick (✓) the animals that you see on the given tree.



Evaluation



1. Match the pictures with the words.



HERB

CLIMBER

CREEPER

TREE

SHRUB



2. Match the following.

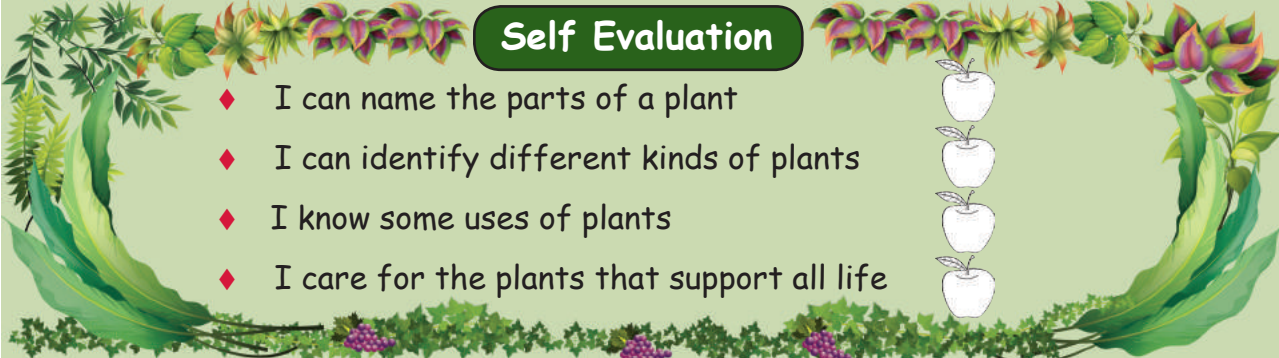
a.	Pumpkin	Climber
b.	Pepper	Fibre
c.	Neem Tree	Creeper
d.	Grapes	Spice
e.	Cotton	Timber

3. Fill in the blanks.

- a. The part of the plant that grows _____ the soil is called shoot system.
(below / above)
- b. The _____ are the green parts of a plant. (root / leaves)
- c. Plates can be made from _____. (areca / neem)
- d. Flowers grow from _____. (buds / fruits)

4. Choose the correct answer and circle it.

- a. A plant which gives fibre
(i) Banana (ii) Tulsi (iii) Rose
- b. Example of a creeper
(i) Mint (ii) Paddy (iii) Watermelon
- c. This is a spice.
(i) Bay leaf (ii) Banana leaf (iii) Mango leaf
- d. Winnow is got from
(i) Palm tree (ii) Coconut tree (iii) Bamboo plant



Self Evaluation

- ♦ I can name the parts of a plant
- ♦ I can identify different kinds of plants
- ♦ I know some uses of plants
- ♦ I care for the plants that support all life

