

STUDY MATERIAL

1. PLANTS AROUND US

I. New words:

- | | | | |
|----------------|---------------|----------------|--------------------|
| 1. Sunlight | 5. Leaves | 9. Trunk | 13. Cactus |
| 2. Germination | 6. Moist soil | 10. Branches | 14. Pine tree |
| 3. Seedling | 7. Desert | 11. Canopy | 15. Water hyacinth |
| 4. Hibiscus | 8. Absorbs | 12. Water lily | 16. Seashore |

II. Choose the correct answer:

- Which of these does a plant need to grow?
a) Water b) Plastic c) Glass
- What do plants get from the soil?
a) Clothes b) Toys **c) Nutrients**
- A healthy plant usually has _____ leaves.
a) Green b) Black c) Brown
- A hibiscus plant can be grown from its _____.
a) Flower **b) Stem** c) Leaf
- _____ grows under the soil.
a) Stem b) Leaf **c) Root**
- Which of these is a plant part?
a) Leaf b) Stone c) Chair
- Trees provide us _____.
a) Shade b) Glass c) Soil
- Which of these can grow into a new plant?
a) Stone b) Soil **c) Seed**
- Which part holds the plant firmly in the soil?
a) Root b) Leaf c) Flower
- _____ carries water and food through the plant?
a) Leaf b) Fruit **c) Stem**

II. Fill in the blanks:

- The **flower** produces fruits and seeds.
- The **leaf** prepares food for the plant.

3. The **root** absorbs water and holds the soil.
4. The cactus stores **water** in its thick, waxy stem.
5. The **spine** help the cactus stop water loss.
6. The coconut tree's trunk can bend in strong **winds**.
7. The special features of plants help them live in their **habitat**.
8. Trees help keep the **air** clean by trapping dust.
9. A tree is a **home** for many living things.
10. We need **oxygen** to breathe.

IV. Match the following:

- | | | |
|------------|---|-------------|
| 1. Cactus | - | a) Seashore |
| 2. Coconut | - | b) Desert |
| 3. Lotus | - | c) Plains |
| 4. Pine | - | d) Water |
| 5. Mango | - | e) Mountain |

Answer: 1-b, 2-a, 3-d, 4-e, 5-c

V. Write True or False:

- | | |
|---|--------------|
| 1. Leaf carries water and food through all the parts of a plant. | False |
| 2. Plants prepare their own food. | True |
| 3. Some plants can grow without seeds. | True |
| 4. Root absorbs the water and holds the soil. | True |
| 5. Potato eyes grow into a new plant. | True |
| 6. The banyan tree has hanging roots that support its big branches. | True |
| 7. The waxy surface of a water lily leaf helps water to soak in. | False |
| 8. Onion roots can grow in water without soil for some time. | True |
| 9. A tree is a cage for many living things. | False |
| 10. Roots hold the soil and prevent it from being washed away. | True |

VI. Pick the odd one out:

- | | | | |
|---------------|---------------|------------------|-----------------|
| 1. Soil | sunlight | water | toy |
| 2. Leaf | root | hand | stem |
| 3. Lotus | cactus | lily | water hyacinth |
| 4. Cactus | aloevera | lotus | dates |
| 5. Mango tree | banyan tree | Pine tree | Jack fruit tree |

VII. Answer in one word:

1. Which part of a plant makes food? **Leaf**
2. Which part holds the plant firmly in the soil? **Root**
3. Which part of a plant carries water and food to different parts of the plant?

Stem

4. What helps pine tree to live on mountain? **Needle like leaves**
5. What helps water lily to float? **Waxy leaves**
6. Which part of the plant is called the kitchen of the plant? **Leaf**
7. Which plant part grows under the soil? **Root**

VIII. Answer the following:

1. What does a plant need to grow?

A plant needs soil, sunlight, water and air to grow.

2. What are the main functions of root?

Root absorbs the water and holds the soil.

3. How does the water lily live in a pond?

The water lily has broad waxy leaves to float on water and its roots grow deep in the soft mud.

4. What is the special feature of the pine tree?

The pine tree has needle like leaves that help drop the snow down.

5. What are the main parts of a plant?

Root, stem, leaf, flower, fruit and seed are the main parts of a plant.

IX. Answer in Detail:

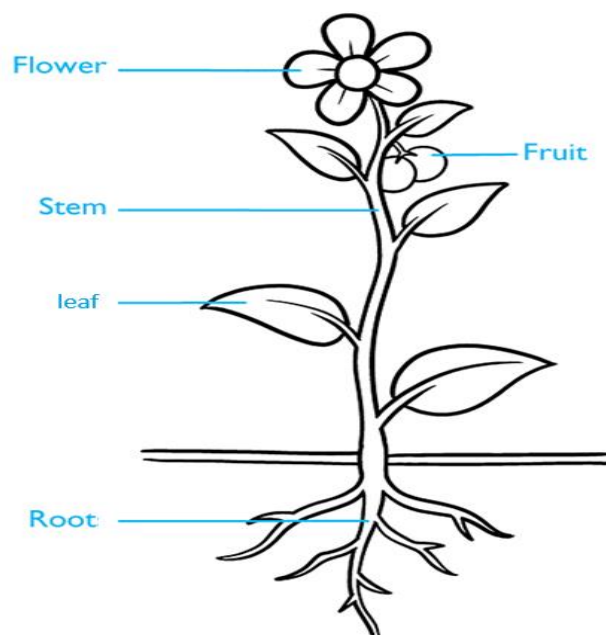
1. What are the functions of plant parts?

- Root – Absorbs the water and holds the soil.
- Stem – Moves water and food through the plant.
- Leaf – Prepares food for the plant.
- Flower – Produces fruits and seeds.
- Fruit – Protects the seed.

2. Differentiate between palmyra tree and coconut tree.

Features	Palmyra Tree	Coconut tree
Height	Tall tree	Tall tree
Trunk	Rough	Smooth
Branches	No branches	No branches
Leaves	Fan shaped	Feather shaped
Fruit	Palmyra fruits	Coconuts

3. Draw a plant and label the parts.



2. FOOD WE EAT

I. Choose the correct answer:

- What is the first step in growing rice?
a) Harvesting **b) Ploughing** c) Milling
- What do farmers sow in the field?
a) Fruits **b) Seeds** c) Flowers
- What is done after sowing the seeds?
a) Transplanting the seedlings b) Selling c) Milling
- What do crops need for healthy growth?
a) Toys **b) Water and care** c) Clothes
- Which of these is a leaf?
a) Mint b) Mango c) Potato

6. Which of these is a flower?

a) Ginger b) Carrot c) **Cauliflower**

7. Which of these is a spice?

a) **Cumin** b) Rice c) Carrot

8. Which of these is a body building food?

a) **Egg** b) Orange c) Carrot

II. Fill in the blanks:

1. Farmers sow the seeds in the field.
2. The young plants are called seedlings.
3. Crops need water and care to grow well.
4. We should respect food and never waste.
5. Black pepper is called the king of spices.
6. Cardamom is called the queen of spices.
7. Rice, wheat, ragi, and kambu are cereals.
8. Sesame, coconut and groundnut are oil seeds.
9. Energy giving foods give us energy to work and play.
10. Protective foods protect us from diseases.

III. Match the following:

- | | | |
|----------------|---|------------|
| 1. Carrot | - | a) Stem |
| 2. Ginger | - | b) Root |
| 3. Cabbage | - | c) Cereals |
| 4. Cauliflower | - | d) Leaf |
| 5. Wheat | - | e) Pulse |
| 6. Green gram | - | f) Flower |

Answer: 1-b, 2-a, 3- d, 4- f, 5-c, 6-e

IV. Write True or False:

- | | |
|--|--------------|
| 1. Greens help us grow, play and stay active every day. | True |
| 2. Kumbakonam is famous for halwa. | False |
| 3. Egg is a body building food. | True |
| 4. protective food protect us from diseases. | True |
| 5. Black pepper is called the queen of the spices. | False |
| 6. A meal is made using many ingredients. | True |
| 7. Pongal and Aadi Perkkku are two festivals celebrated to thank nature. | True |

8. Vegetables we eat include roots, stems, leaves, flowers and fruits. **True**

V. Pick the odd one:

- | | | | |
|--------------|-------------|--------------|----------------|
| 1. Guava | Mango | Banana | Brinjal |
| 2. Coriander | Mustard | Ragi | Cumin |
| 3. Milk | Rice | Egg | Meat |
| 4. Rice | Wheat | Fish | Ragi |
| 5. Mint | Spinach | Apple | Curry leaves |

VI. Answer in one word:

1. What do farmers do to the seedlings? **Transplant**
2. Carrot is which part of a plant? **Root**
3. Potato is which part of a plant? **Stem**
4. Which is called the queen of spices? **Cardamom**
5. Which is called the king of spices? **Black Pepper**
6. Which food gives us energy? **Energy giving food**
7. What is the famous drink of Kumbakonam? **Coffee**
8. What is the famous food of Ooty? **Varkey**

VII. Answer the following:

1. What are the two festivals celebrated to thank nature for the harvest?

Pongal and Aadi Perukku are the two festivals celebrated to thank the nature.

2. Name some seeds used to make oil.

Groundnut, sesame, sunflower, coconut and mustard.

3. What are the three main types of food?

The three main types of food are:

- **Energy giving food**
- **Body building food**
- **Protective food**

4. What is body building food? Give some examples.

Body building food helps our body grow and makes our bones and muscles strong. Ex: Milk, fish, egg

5. What is protective food? Give some examples.

Protective food protects us from diseases and keeps our body healthy. Ex: Fruits, vegetables and greens.

VIII. Answer in Detail:

1. What are the plant parts used as food? Give some examples.

We get many kinds of food from different parts of plants.

- Roots: Carrot, radish, beetroot
- Stems: Potato, ginger, sugarcane
- Leaves: Mint, cabbage, spinach
- Flowers: Cauliflower, banana flower
- Fruits: Mango, banana, tomato
- Seeds: Rice, wheat, peas

2. Write some famous foods of Tamil Nadu.

- Srivilliputhur – Palgova
- Kumbakonam – Degree coffee
- Thoothukudi – Macaroon
- Tirunelveli – Halwa
- Ooty – Varkey

3. Write some good food habits.

- Wash your hands before and after eating.
- Eat fresh and clean food.
- Wash fruits and vegetables before eating.
- Drink enough water.
- Do not waste food.