

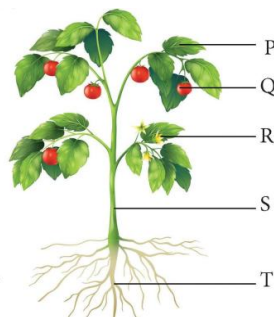
### 3. PLANT

CLASS: III

SUBJECT: SCIENCE

#### I. Choose the correct answer.

- The function of leaf is to \_\_\_\_\_.  
a) Give support  
**c) Produce food**  
b) Fix the plant firmly  
d) None of the above.
- An example of tap root is \_\_\_\_\_.  
a) Paddy  
b) Grass  
**c) Mango**  
d) Ragi
- \_\_\_\_\_ supports the plant.  
a) Root  
b) Leaf  
c) Flower  
**d) Stem**
- Most plants grow from the \_\_\_\_\_.  
a) Root  
b) Leaf  
c) Flower  
**d) Seed**
- Roots are poorly developed in \_\_\_\_\_.  
**a) Agaya thamarai**  
b) Neem  
c) Teak  
d) Date palm.
- If part X will be absent in a plant, new plants will not be produced. X is \_\_\_\_\_.  
a) Stem  
**b) Root**  
c) Flower  
d) Leaves.
- The plant is adapted to grow in deserts as it has \_\_\_\_\_.  
a) Fleshy stem  
b) Needle like roots  
c) Leaves changed to spines  
**d) Both a and c**
- An example of many seeded fruit is \_\_\_\_\_.  
**a) Pomegranate**  
b) Mango  
c) Apricot  
d) Peach.
- Which of the following plants part take part in absorption of water and exchange of gases respectively?  
a) P and R  
b) R and S  
c) S and Q  
**d) T and P**



#### II. Find the odd one.

- |                |           |                 |          |
|----------------|-----------|-----------------|----------|
| 1. Carrot      | Radish    | <b>Tomato</b>   | Beetroot |
| 2. Cabbage     | Greens    | <b>Turmeric</b> | Spinach  |
| 3. <b>Neem</b> | Aloe vera | Date palm       | Opuntia  |

4. Coconut

5. Hydrilla

Mango

Optunia

Apricot

Water hyacinth

Orange

Vallisneria

### III. Short answer.

#### 1. Name the parts of a plant.

The basic part of a plant are

- root,
- stem,
- leaf,
- flower,
- fruit,
- seed.

#### 2. Name the type of roots.

- Tap root.
- Fibrous root.

#### 3. Write any two function of the Leaves.

- Photosynthesis
- Transpiration .

#### 4. Write the parts of a flower.

- Stamen
- Pistil
- Petal
- Sepal

#### 5. Name the types of plants based on their habitat.

- Land (terrestrial plants)
- Water (aquatic plants)

#### 6. Write any two adaptations of desert plants.

- Leaves are changed to spines to reduce the loss of water.
- These plants have a long root that goes deep into the soil.

#### 7. Write the names of some water plants.

- Water hyacinth
- Pistia
- Water lily



- Lotus

#### IV. Answer the following questions.

##### 1. Write any two functions of each:

- Stem
- Root
- Flower

##### Stem:

- It supports the whole plant.
- Some stems store excess food in them. E.g Potato, Onion.

##### Root:

- Root absorb water and minerals required for the plant from the soil.
- In some plants , roots store food. E.g Carrot , Radish , Beetroot.

##### Flower:

- It develops into fruit.
- It help plant to reproduce.

##### 2. Why leaf is called food factory of plants?

Leaf prepare food for the plant with the help of water , carbon di oxide and in the presence of sunlight and chlorophyll. This process is called Photo synthesis. Hence it is called food factory of plant.

##### 3. Difference between taproot and fibrous root.

Tap root	Fibrous root
Thick main root that goes deep into the soil.	No main root and the roots do not go deep into the soil.
Side roots are developed into main root.	Roots are developed from the base of the stem.
Looks like a long tap E.g Tamarind , guva	Looks like a bunch. E.g Corn , Sugarcane.

##### 4. Give two examples of:

- Fruit having only one seed    Ans: Coconut , Mango

b) Fruit having many seeds. Ans: Papaya, Water melon.

**5. Name two free floating plants.**

Water hyacinth (Agaya thamarai) , Pistia.

**6. Look at the picture of a water lily.**

a) Which part of the plant can you see?

Ans: Flower

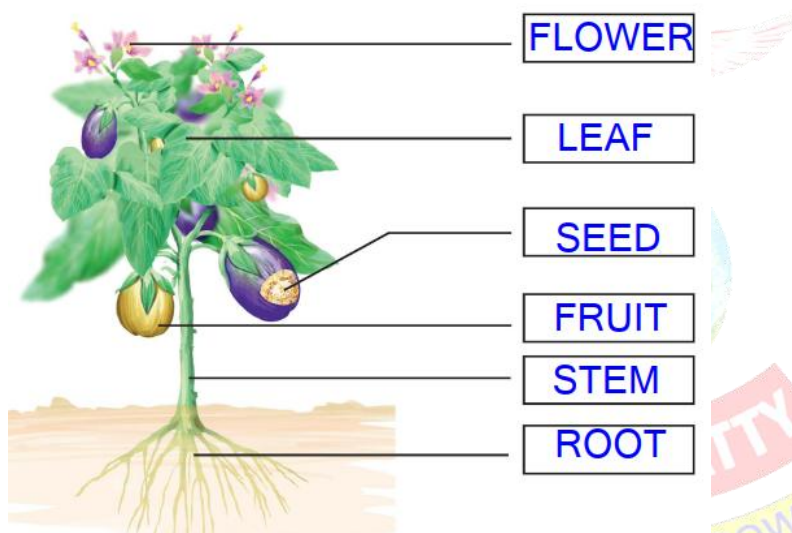
b) Where are the plants roots and the stem?

Ans: Fixed in the bottom of the water bodies.



**BOOK INSIDE**

**A. Unscramble the words and label the parts of the plant.**



**B. True or False**

- 1. The root grow into the soil **True**
- 2. Fibrous root has a main root **False**
- 3. Root absorbs water from soil **True**
- 4. Potato stores food in its root **False**
- 5. Grass has fibrous roots **True**

**C. Fill in the blanks**

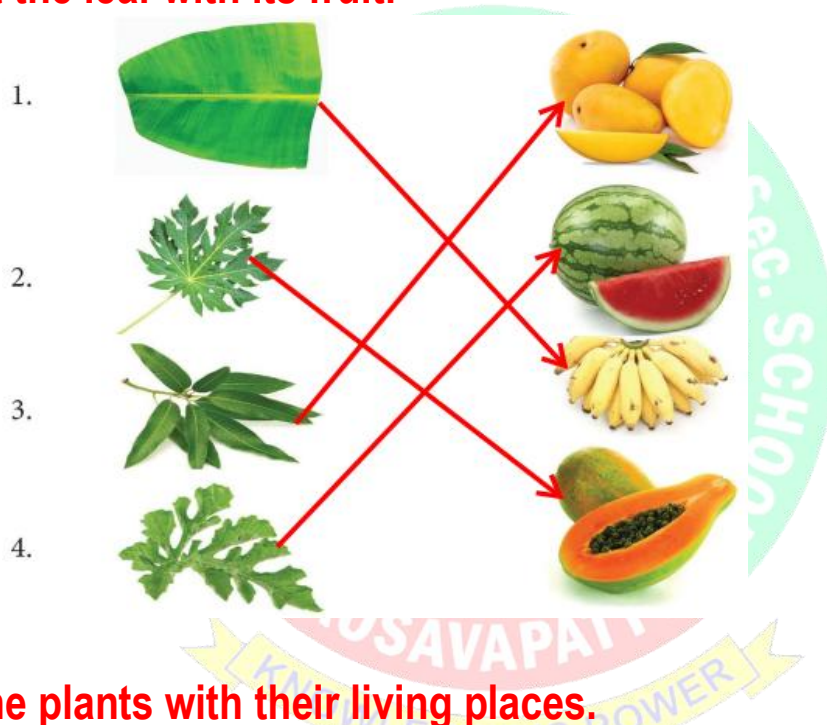
- 1. Stem grows towards the sunlight.
- 2. Leaves originate from the stem

- Green part of the plant that makes food is called leaf
- Stem gives support to the whole plant.
- Water from soil is absorbed by the root of the plant.

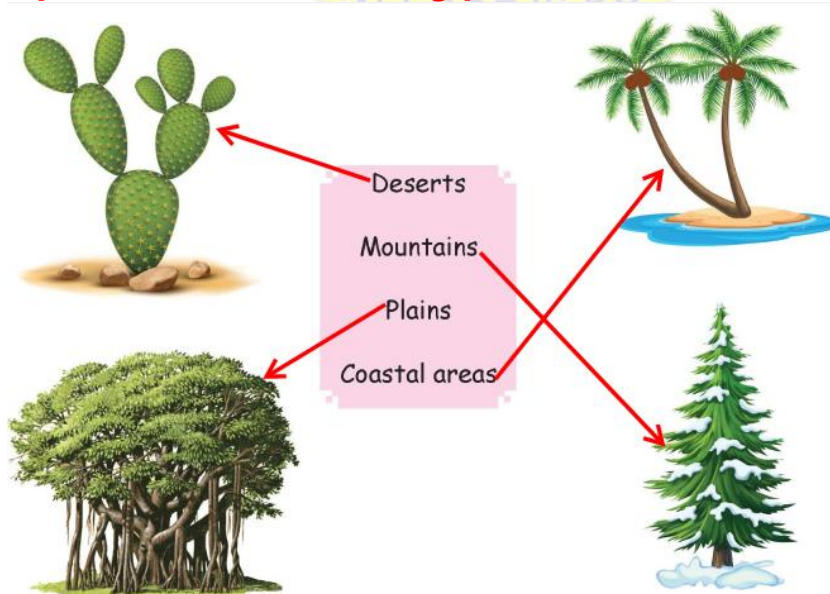
### D. Think and Write

- List out the fruits that do not have seeds. Pine apple and Banana
- Write down the names of the fruit trees that you have never seen, but have tasted their fruits Water melon.

### E. Connect the leaf with its fruit.



### F. Match the plants with their living places.



**G. Select the 'INCORRECT' statement from the following.**

1. Desert plants grow in hot, dry and sandy places **True**
2. Plants in coastal areas tolerant to saline water **True**
3. Mountain plants have needle like leaves **True**
4. Teak is an example of desert plant. **False**

**H. Circle the odd one**

- |            |           |             |                |
|------------|-----------|-------------|----------------|
| 1. Teak    | Tamarind  | Mango       | <b>Opuntia</b> |
| 2. Opuntia | Aloe vera | <b>Pine</b> | Date palm      |

**I. Circle the places which are land habitats.**

<b>Forest</b>	Pond	<b>Mountain</b>	River
<b>Tree</b>	Ocean	<b>Desert</b>	<b>Cave</b>

**J. Mark 'L' for land plants and 'W' for water plants.**

Neem tree	Lotus	Opuntia	Vallisneriya
<input type="text" value="L"/>	<input type="text" value="W"/>	<input type="text" value="L"/>	<input type="text" value="W"/>
Water hyacinth	Date palm	Hydrilla	Lily
<input type="text" value="W"/>	<input type="text" value="L"/>	<input type="text" value="W"/>	<input type="text" value="W"/>

**K. Write true or false.**

1. Fixed rooted plants are present in water bodies **True**
2. Leaves of lotus are submerged in the water **False**
3. Lotus plants are found in many ponds **True**
4. Water hyacinth freely float with the help of spongy body filled with air. **True**