

**CLASS: VI**

**SUBJECT: SCIENCE**

**TOPIC: GETTING TO KNOW PLANTS (Root)**

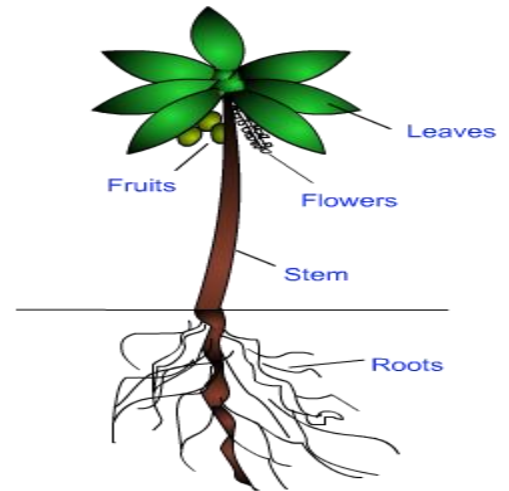
### **Module 5**

#### **ROOT:**

Are you fascinated to read about root ?

If so, draw the same picture which is shown on the right-hand side and try to draw some other plant pictures with the same type of root.

Compare all the pictures at the end of this topic



Look at Fig. 7.13. Who do you think is watering the plant correctly, Paheli or Boojho? Why?



**ANSWER PLEASE :** Which part of the plant is in the soil?

### Try at home : Activity 1 :

Let us learn more about this part from the following activities.

You would require two pots, some soil, khurpi (for digging), blade or a pair of scissors and water.

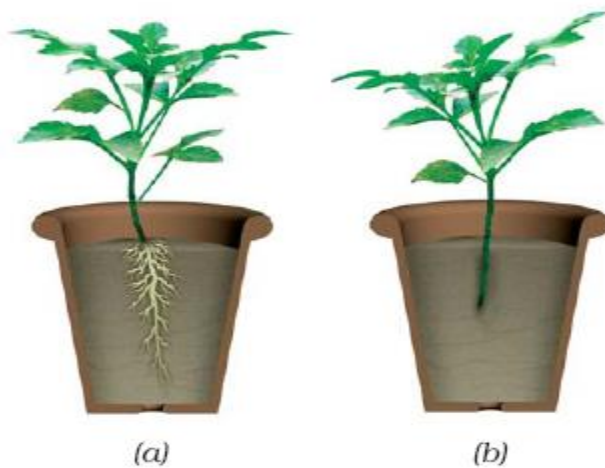
Select two weeds of the same kind from an open ground and dig them out.

Take care that their roots do not break.

Plant one of the weeds in the soil in pot A [Fig.(a)].

Cut off the roots from the other weed and plant it in the soil in pot B [Fig. (b)].

Water them regularly. Observe the plants after a week. Are both plants healthy?



Both the plants are watered regularly, but, one is without roots, isn't it? Does this activity help you understand an important function of the root?

**WEEDS :** Weeds are unwanted wild plants that grow in the field. Weeds compete with the crop for nutrients, light, and space. As a result, crop plants get lesser nutrients, light, and space for their development.

### Activity 2 :

You would require seeds of gram and maize, cotton wool, katori and some water.

- Take two katoris. Place some wet cotton wool in them.
- Put 3 or 4 seeds of gram in one and maize in the other.
- Keep the cotton wet by sprinkling water every day, until the sprouts have grown into young plants.
- After a week try to separate the young plants from the cotton wool (Fig).



### **YOUR OBSERVATION:**

Activity 1 : Observe the plants after a week. Are both plants healthy?

Activity 2 : Was it easy to separate the cotton wool from the roots? Why?

**WHEN I TRIED THESE TWO ACTIVITIES AT HOME THIS WAS MY OBSERVATION:**

**Activity 1 : The plant in the pot B is not in healthy condition since the plant could not take the nutrients and water from the soil due to absence of root system.**

**Activity 2 : I could not easily pull out the plants from the soil since we dug them out. The roots help in holding the plant firmly in the soil. They are said to anchor the plant to the soil.**