

**Standard : 5**

**Time: 2 Hrs**

- 15 minutes is given as cool off time.
- Read the questions carefully during this time.
- Eight activities are given.
- Attempt **ANY SIX** activities.

**Activity 1**

Observe the pictures given below.



Picture - 1



Picture - 2

A) Identify the plants and roots. Write their names in the table.

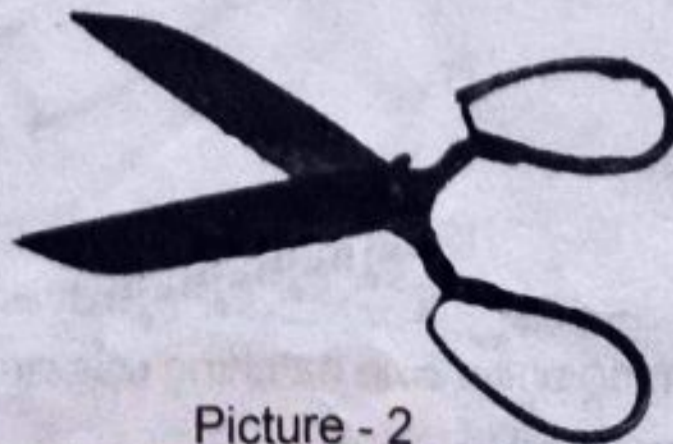
Plant	Root
1 .....	.....
2 .....	.....

B) Write the peculiarities of these types of roots. (Minimum three)

**Activity 2**



Picture -1



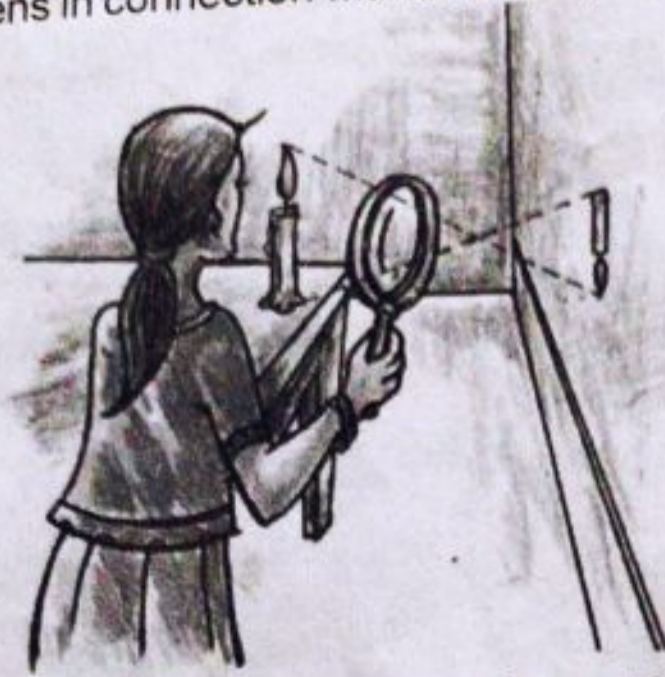
Picture - 2

A) Appu wants to cut a twig from his rose plant. Which scissors in the above picture makes the work easier? Why?

B) Name two simple machines in which resistance comes between fulcrum and effort.

### Activity 3

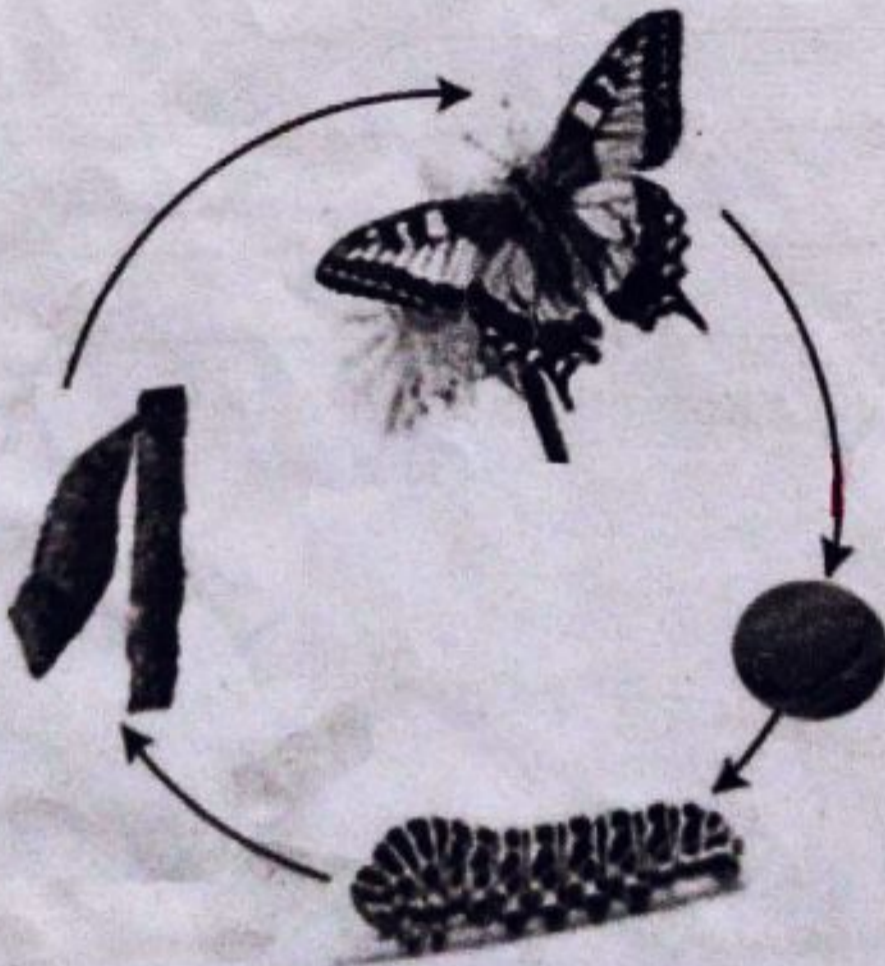
Observe the picture. Anu is projecting the image of an object on the wall using a hand lens in connection with an activity related to vision.



- Name the part of the eye where the image is formed?
- Write the peculiarities of the image formed.
- How do we see an object? Explain.

### Activity 4

Observe the illustration showing the stages of metamorphosis of a butterfly.



- Name the young one hatching out from the egg of a butterfly.
- Explain the stages of metamorphosis of a butterfly.
- Name any two organisms of which the young ones do not resemble their parents.

**Activity 5**

A) Following are the images of two astronauts and their experiences during space exploration. Identify the reason for such experiences and complete the illustration.



**Experience**  
 Could see day and night on Earth simultaneously.

**Reason**  
 As it is far away, the whole Earth can be seen.

**Experience**  
 Didn't experience weight.

**Reason**  
 a).....

**Experience**  
 The air for breathing is carried from the Earth.

**Reason**  
 b).....

**Experience**  
 Cannot sleep well on mattress.

**Reason**  
 c).....

**Experience**  
 The sky is seen dark.

**Reason**  
 d).....

B) Name the astronauts in the above pictures.

### Activity 6

A) Rearrange the following table correctly.

Mode of seed dispersal	Adaptations
Through wind	fleshy part
Through animals	float on water
Through water	light seeds

B) Write any two advantages of seed dispersal.

### Activity 7

A) Analyse the situations and complete the table.

Situations	Experience of sense	Organ made use of
Peacock dances with feathers spread	a).....	Eye
Recognizes ripened jackfruit	b).....	c).....
Working of loud speaker	Hearing	d).....
Holding ice cubes in hands	e).....	f).....

B) Write any two things to be taken care of to protect eye health.

### Activity 8

Listen to Appu's opinion.



If there were no microorganisms on Earth, would there be infectious diseases? All micro organisms should be eliminated.

A) What is your response to Appu's opinion?

B) Complete the word web given below including the benefits of microorganisms.

