

Class: 5

Basic Science

Time: 2 hrs

Instructions

- ◆ 15 minutes is given as cool - off time. This time is to be used for reading the question paper.
- ◆ Attempt any 6 from the 8 activities given below.

Activity -1

Look at the illustration given below.



A) Write suitable titles for the factors given in the picture and classify them.

(a)
• Soil
• (c).....
• (e).....

(b)
• Dragon fly
• (d).....
• (f).....

B) Prepare the food card of any one of the organisms in the picture.

Activity - 2

Mosquitoes breed in the stagnant water in discarded bottles, coconut shells and plastic covers.

- A) A situation in which mosquitoes breed is given above. Write any similar situations in which two vectors breed.
- B) Write two precautions to avoid mosquito bite.

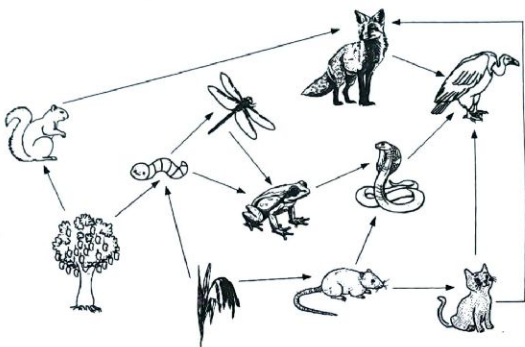
C) Look at the statements related to transmission of diseases given below. Choose the right ones.

1. Tuberculosis is an example of the disease transmitted through air.
2. Worm disease is transmitted through food.
3. Leprosy is transmitted by human beings.
4. Dengue fever is transmitted through contaminated water.

- i) 1 & 2 are correct ii) 1 & 3 are correct
iii) 1 & 4 are correct iv) 2 & 4 are correct

Activity - 3

Observe the food web given below.



- A) Write any two food chains from the food web given above.
B) Which one is the first link in a food chain?
C) What are the problems caused to the environment by the disappearance of snake from the food web given here .

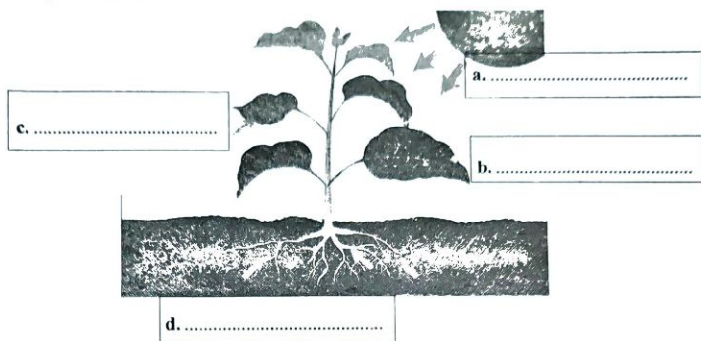
Activity - 4

- A) Observe the arrangement of leaves in the plant given in the picture. Name two other plants in which leaves are arranged in the same manner.



- B) What advantages do the plants get from this kind of an arrangement.

- C) The illustration given below indicates the components needed for photosynthesis. Identify a, b, c and d.



Activity - 5

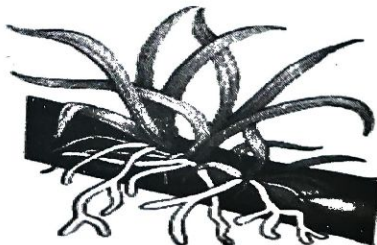
- A) Two children had mingled fully with a child who is affected with contagious fever. Only one child got affected with the fever. But the other child was not affected. Why?
- B) Complete the table.

Name of Vaccine	Disease
B C G	(a)
Polio Vaccine	(b)
MR Vaccine	(c)

- C) Which vaccine is to be taken at the age of 10?

Activity - 6

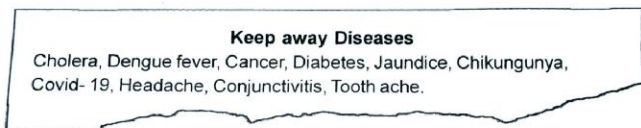
Observe the picture



- A) Name the plant which grows clinging to the branch of the mango tree. Write the common name of such plants.

- B) The features of roots of this plant are given below. Choose the right ones.
1. Small roots absorb water from soil and thick roots absorb water from the tree.
 2. Small roots help the plant cling on the tree and thick roots help absorb moisture from the atmosphere.
 3. Thick roots absorb water from the soil and small roots absorb water from the tree.
 4. Small roots and thick roots absorb water from the tree.
- (i) 1 & 3 are correct (ii) Only 1 is correct
 (iii) Only 2 is correct (iv) 2 & 4 are correct
- C) What will happen to the mango tree if Loranthus grows on it. Why?

Activity - 7



- A) A portion of a poster pasted at the Primary Health Centre is given above. Examine the poster and complete the table suitably.

(a)
• Jaundice
• (c).....
• (e).....

(b)
• Tooth ache
• (d).....
• (f).....

- B) Write any two ways by which contagious diseases are transmitted .
- C) Write the names of any two contagious diseases affecting plants.