

Class: 5

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 5 from the 7 activities given below.

Activity - 1

- A) Seed dispersal is the process in which seeds from the mother plant reach different places. What are the different methods of seed dispersal?

1) By animals 2) 3) 4)

B)



What are the favourable features of the fruits given above that help in seed dispersal?

- C) Among the following, which is the plant that bursts and releases seeds when they are ripen?
 (ladies finger, guava, milkweed pappus (appooppan thadi), tomato)

Activity - 2

- A) Some materials for doing an experiment related to the germination of seed are given below.

Steel glass

Pea

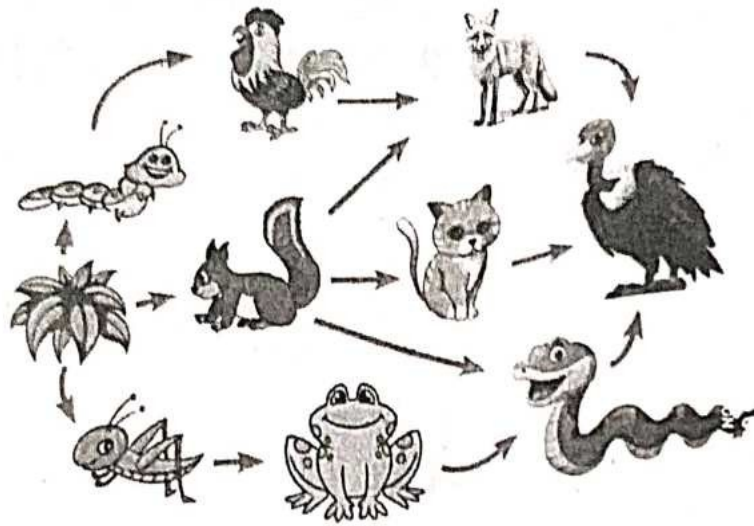
.....

.....

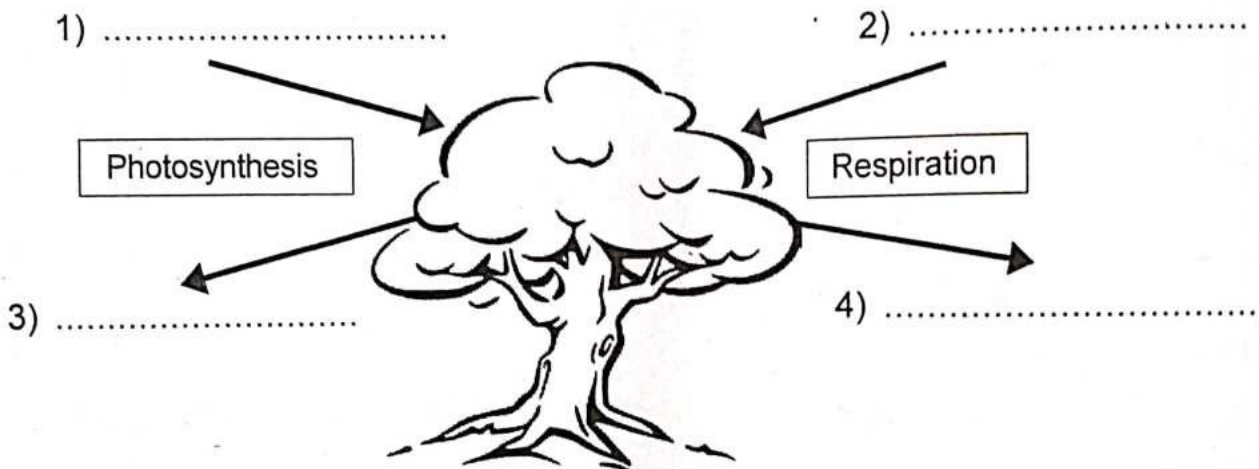
Write the materials needed and the procedure of experiment to find out if sunlight is necessary for the seed to germinate.

- B) From where does the plant get food until the seed germinates and forms its leaves?
- C) Among the following, which part comes out first when the seed germinates?
- ◆ radicle
 - ◆ cotyledon
 - ◆ plumule
 - ◆ root

Activity - 3



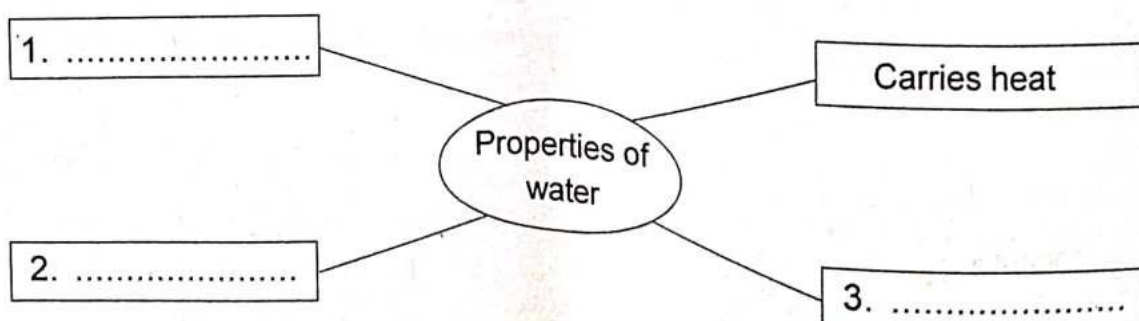
- A) What will happen if the number of foxes comes down in the food web given above?
- B) Observe the illustration given below.
It is related to the gaseous exchange in plants. Write the names of gases missing in the illustration.



- C) Which pigment gives red colour to red spinach?
- 1) anthocyanin
 - 2) xanthophyll
 - 3) chlorophyll
 - 4) carotene

Activity - 4

- A) Complete the illustration given below.



- B) Complete the table after observing the examples given.

Substance	Form
Water	Liquid
Ice	1)
2)	Gas

- C) Which among the following is not a rain water harvesting method?

- 1) Making stone wall
- 2) Building check dam
- 3) Concreting yard
- 4) Recharging well

Activity - 5

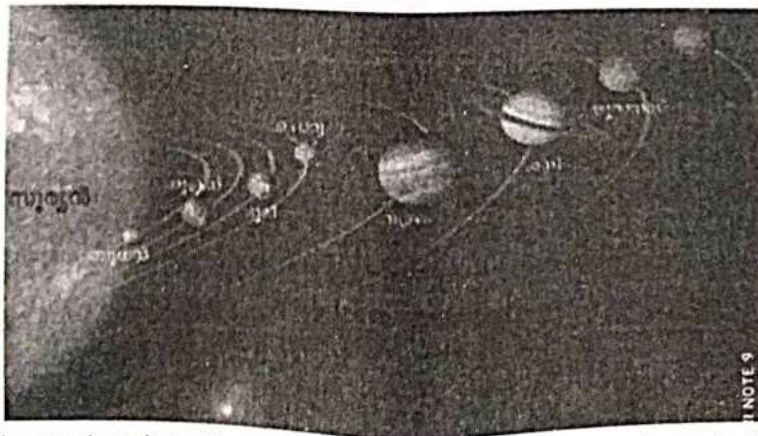
- A) The plants selected by a child to identify the features of roots are given below. Classify them suitably.

mango tree, coconut tree, grass, jackfruit tree, paddy, guava, bamboo

- B) What is the feature of leaves of the plants included in each group?
- C) Which pair does not show the relationship between root and leaf as mentioned above?
 - 1) wheat, colocasia
 - 2) colocasia, yam
 - 3) yam, plantain
 - 4) pea, plantain

Activity - 6

Observe the picture

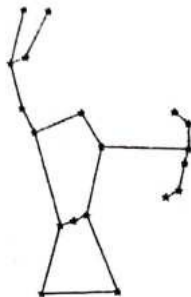


- A) The statements related to the group of celestial bodies shown in the picture are given below. Write two more statements.
- ♦ The Sun is the centre
 - ♦ Orbit is the path through which the celestial bodies revolve around the Sun
- 1)
 - 2)

B) Complete the table related to artificial satellites.

Artificial satellite	Uses
INSAT	Communication
EDUSAT	1)
2)	Defence

C)

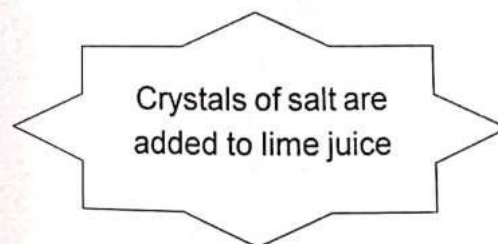
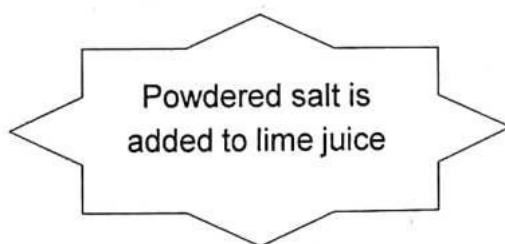


Write the name of this constellation.

- 1) Saptarshis 2) Hunter 3) Kashyapi 4) Aries

Activity - 7

Look at the situations given below.



- A) In which situation does salt dissolve quickly? Why?
- B) What are the other two factors which affect the speed of dissolution?
- C) Complete the flow chart given below.

