

[Chapter 5]

Seeds and Seeds

1. Fill in the blanks with appropriate words given in the box.

air, water, warmth, space, light, cooling, heating, George Mestral, bursting, spoiled, sprouted, wet, pods, seeds, fruits, Europe, South America

- (i) Eating **Sprouted** seeds is good for health.
- (ii) Seeds require **air**, **water** and **warmth** to sprout.
- (iii) Velcro was discovered by **George Mestral**
- (iv) Soyabean seeds are scattered by **Bursting** of their **Pod**.
- (v) Peas came from **Europe**.

2. Write 'T' for True and 'F' for False statements.

(i) Seeds are of different shapes, sizes, colours and textures.

☒ True

(ii) Some plants may grow without seeds.

☒ True

(iii) Dispersal of seed is essential so that the baby plant gets enough space, air and light.

☒ True

(iv) Tomatoes and green chillies came from South America.

☒ True

3. Multiple Choice Questions (MCQs).

(i) Which of the following is not a seed?

(a) Chana

☐

(b) Rajma

☐

(c) Arhar dal

☐

(d) Lemon

☐

(ii) Which of the following is not necessary for a seed to grow?

(a) Fertiliser

☐

(b) Air

☐

(c) Water

☐

(d) Warmth

☐

(iii) Which of the following is not an agent of dispersal?

(a) Animals

☐

(b) Plants

☐

(c) Water

☐

(d) Wind

☐

(iv) Seeds of coconut plant are dispersed by

(a) wind

☐

(b) water

(c) animals

☐

(d) bursting

☐☐

4. Give an example for each of the following categories.

(i) Seeds used as spices.

(ii) Seeds used as foodgrains.

(iii) Seeds used as pulses.

(iv) Seeds which scatter by bursting of the pod.

(v) Seeds that scatter by sticking on fur of animals.

(vi) Seeds that scatter by wind.

(vii) Seeds that scatter by water.

Cumin

Rice

Arhar dal

Pea

Burdock seeds

Dandelions

Coconut

8. Observe the following picture and answer the questions that follows.



(i) What is the name of the plant given in the picture?

Pitcher plant or Nepenthes

(ii) Where is it found?

It is found in Australia, Indonesia and meghalaya in India.

(iii) How does the plant trap insects?

The plant has a sweet smell which attracts insects. When the insect comes near the pitcher plant, it slips into the pitcher shaped plant and the leaf lid quickly closes and the trapped insect is not able to come out.

7. Answer the following questions.

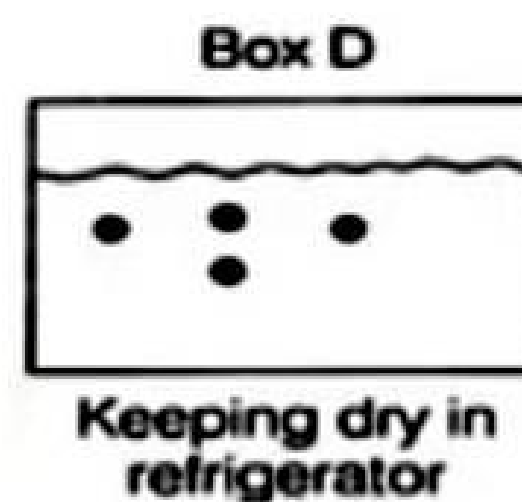
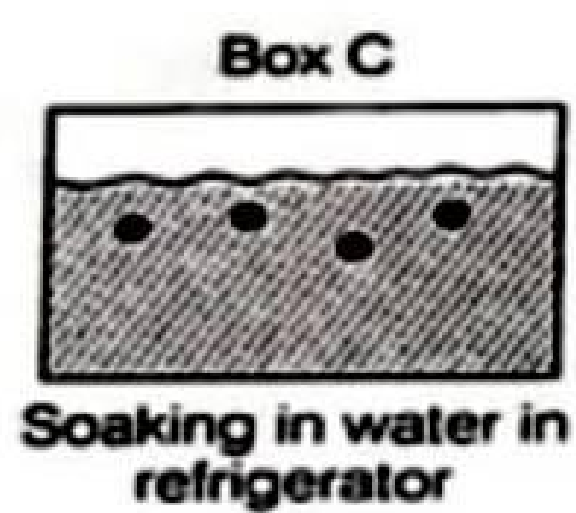
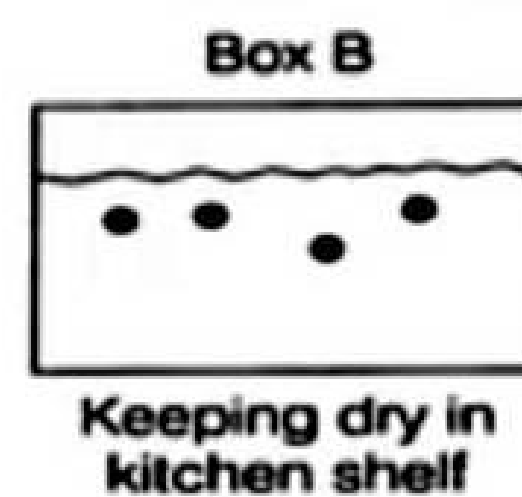
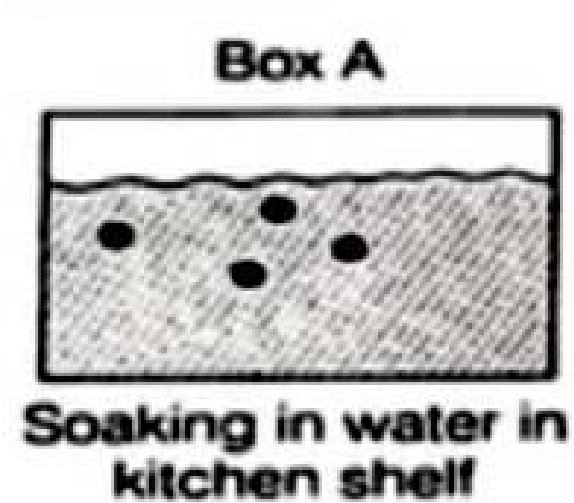
(i) What are the conditions a seed needs to sprout?

Seeds need air, water and warm temperature to sprout.

(ii) What do you understand by dispersal of seeds? Why is it important?

The scattering of seeds by a plant to avoid overcrowding of new plants at a place is called seed dispersal.

10. Seeds are kept in four different boxes under the conditions as given below.



(i) In which of the above will the seeds grow quickest?

Seeds will not sprout in any of the given boxes.

(ii) In which of the above will the seeds not grow at all?

In all the boxes the seeds will not grow.

5. Classify the plants according to the place of their origin.

<i>Spinach</i>	<i>Tomato</i>	<i>Pea</i>	<i>Cabbage</i>	<i>Potato</i>
<i>Methi</i>	<i>Coffee</i>	<i>Green Chillies</i>	<i>Radish</i>	<i>Lady Finger</i>

India
<u>Methi</u>
<u>Spinach</u>
<u>Methi</u>

Europe
<u>Cabbage</u>
<u>Pea</u>

Africa
<u>Coffee</u>
<u>Lady</u>
<u>finger</u>

South America
<u>Tomato</u>
<u>Potato</u>
<u>Green chilli</u>

Think, Find and Write

9. Five types of seeds are given in Column A. Their dispersal methods are given in column B. Match the columns.

Column A	Column B
(i) Seeds are heavy	(a) Animals eat the fruits and throw away the seeds
(ii) Seeds are small in size	(b) Some seeds are carried away by water
(iii) Seeds are travelling long distances	(c) Fruits/seeds get stuck to animal skins or clothes of humans
(iv) Seeds have hooks on them	(d) Plants burst open the pods for seeds to spread
(v) Seeds are light	(e) Seeds are blown by the wind

Short Answer Type Questions

6. Give reason for the following.

(i) Doctors sometimes advise sick people to eat sprouts.

Sprouts are the most healthy food available for us.

(ii) Seeds kept in refrigerator do not sprout.

Seeds need warm temperature, air and water to sprout. It is very cold in refrigerator.