

CHAPTER 5

SEEDS AND SEEDS

1- 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

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

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

(ii) Some plants may grow without seeds.

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

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

(v) On soaking a seed, it expands in size.

(vi) Seeds kept in the refrigerator do not sprout.

(vii) A tiny seed cannot grow into a big tree.

(viii) Maple seeds disperse through water.

3- 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 seeds is good for health.
- (ii) Seeds require , and to sprout.
- (iii) Velcro was discovered by
- (iv) Soyabean seeds are scattered by of their
- (v) Peas came from

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.
- (viii) Seeds used as oil.

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

Spinach Tomato Pea Cabbage Potato
 Methi Coffee Green Chillies Radish Lady Finger

India

.....

.....

Europe

.....

.....

Africa

.....

.....

South America

.....

.....

6- Give reason for the following.

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

(ii) Seeds kept in refrigerator do not sprout.

(iii) Chana and Rajma are soaked in water 4-6 hours before cooking.

(iv) A whole masoor sprout but masoor dal does not.

7- Answer the following questions.

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

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

(iii) How was velcro discovered?

(iv) State a few conditions that a seed needs to germinate.

(v) How do seeds spread to far off places?

(vi) What is a Velcro (shown in fig. 2)? Who invented it?

(vii) What are the various uses of Velcro?

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



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

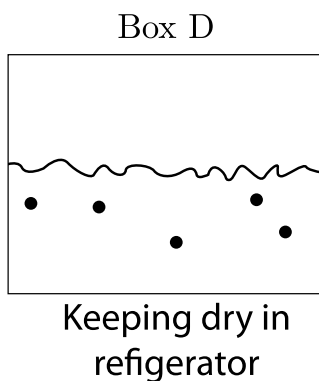
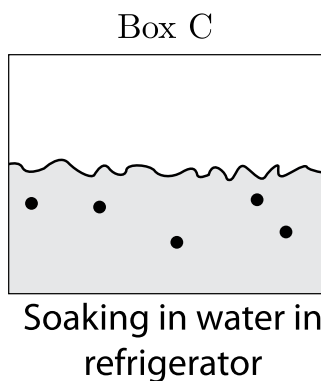
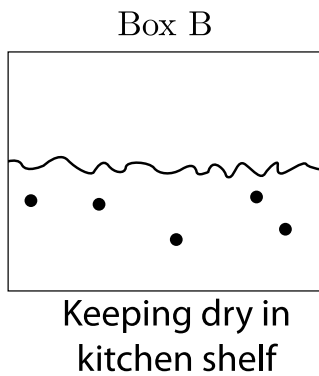
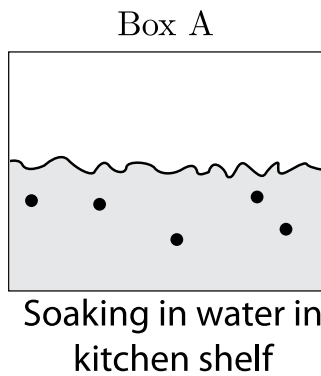
(ii) Where is it found?

(iii) How does the plant trap insects?

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

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?

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

11- Group the following fruits under the suitable headings in the table:
 mango, litchi, guava, banana, orange, grapes, gooseberry, papaya, pineapple,
 dates, watermelon, apple, tamarind.

	Fruits with single seed	Fruits with many seeds	Seedless Fruit
(i)			
(ii)			
(iii)			
(iv)			
(v)			

12- Look at the given pictures and name the vegetative part of the plant is used to reproduce a new plant.

Bryophyllum



Lily



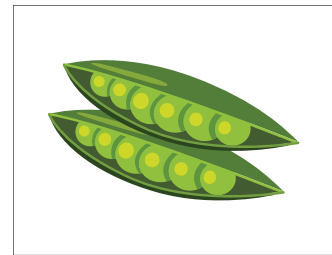
Rose



13- Seeds are dispersed in many ways through the medium of water, by animals, by wind and by bursting. Write W if they carried by water, A if they are carried by animals, R if they are carried by wind and E if they are by bursting.

















14- Fill in the blanks:

- (i) Rarely, a plant can grow that we can eat.
- (ii) All plants need food, sunlight and
- (iii) Plants give off to help us breathe.
- (iv) The part of the plant that holds it straight is called the
- (v) Animals and insects carry from flower to flower.
- (vi) New plants arise from
- (vii) The part of the plant that grows underground is
- (viii) The process that shows how the plants grow, lives and dies is called
- (ix) The part which attaches leaf to the stem is
- (x) The part of the plant that grows on the stem is

15- Name two insectivorous plants :

16- Name any two seeds that:

- (i) scatter by bursting (spread over a long distance)
.....
- (ii) scatter by sticking on the fur of animals.
.....
- (iii) that scatter by wind.
.....
- (iv) scatter by water.
.....
- (v) used as spices.
.....

(vi) used as food grains.

.....

(vii) used as pulses.

.....
