

Seed Dispersal

A. Choose the Correct Answer:

1. What is the primary purpose of seed dispersal?
 - A) To keep seeds in one place
 - B) To allow plants to grow in new areas
 - C) To prevent seed germination
 - D) To destroy the seeds
2. Which of the following is an example of seed dispersal by wind?
 - A) Coconut
 - B) Mango
 - C) Dandelion
 - D) Cherry
3. Animals help in seed dispersal by:
 - A) Eating the seeds and digesting them completely
 - B) Carrying seeds on their fur or feathers
 - C) Burning the seeds in the sun
 - D) Preventing seeds from moving

B. Fill in the Blanks:

1. Seed dispersal helps in reducing _____ among plants for sunlight, water, and nutrients.
2. Fruits like coconut and lotus have _____ to help them float and disperse through water.
3. Seeds with hooks or spines, like burdock, attach to _____ for dispersal.

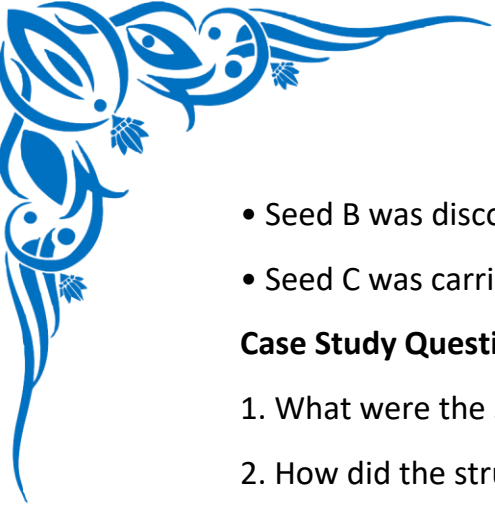
C. Case Study:

A group of scientists conducted an experiment on seed dispersal methods in a forest ecosystem. They observed three types of seeds:

- Seed A was small, lightweight, and had feathery structures.
- Seed B was enclosed in a fleshy fruit eaten by animals.
- Seed C had a hard shell and was found floating in water.

After analyzing their observations, they concluded:

- Seed A was mostly found in open areas, far from the parent plant.



- Seed B was discovered in animal droppings, often in fertile soil.
- Seed C was carried by water to distant places.

Case Study Questions:

1. What were the scientists trying to study in this experiment?
2. How did the structure of Seed A help in its dispersal?
3. Why was Seed B often found in fertile areas?
4. What advantage does Seed C have by floating in water?

D. Short Answer Questions:

1. Why is seed dispersal important for plant survival?
2. Name two ways in which animals help in seed dispersal.
3. How do seeds dispersed by wind differ from those dispersed by water?

E. Long Answer Questions:

1. Explain the different methods of seed dispersal with examples.
2. How does seed dispersal help maintain biodiversity in an ecosystem?
3. Describe how human activities can impact the natural process of seed dispersal.