# Pollination

## A. Choose the Correct Answer:

**1. What is pollination?**

A) The transfer of pollen from the leaf to the root
B) The transfer of pollen from the anther to the stigma
C) The transfer of water from roots to the flower
D) The process of seed formation without pollen

**2. Which of the following is an agent of pollination?**

A) Fish
B) Wind
C) Rocks
D) Soil

**3. What do we call the type of pollination where pollen is transferred to the stigma of the same flower?**

A) Cross-pollination
B) Wind pollination
C) Self-pollination
D) Water pollination

## B. Fill in the Blanks:

1. _____ is the process of transferring pollen grains from the anther to the stigma of a flower.
2. When pollen from one flower reaches the stigma of another flower, it is called _____.
3. _____, wind, water, and insects help in the process of pollination.

## C. Case Study:

Anita and her classmates visited a sunflower farm.

- They noticed bees flying from one flower to another, collecting nectar.
- Their teacher explained that while collecting nectar, bees also transfer pollen grains from one flower to another.
- This helps in pollination, which is necessary for seed formation.
- The teacher also mentioned that wind and water can also carry pollen grains to other flowers.

**Case Study Questions:**

1. What role did the bees play in pollination?
2. Why is pollination important for seed formation?
3. What are other agents of pollination mentioned by the teacher?
4. How do bees benefit from visiting flowers during pollination?

## D. Short Answer Questions:

1. What is pollination?
2. Name two agents of pollination.
3. What is the difference between self-pollination and cross-pollination?

## E. Long Answer Questions:

1. Explain the process of pollination and its importance in plant reproduction.
2. Describe the different types of pollination with examples.
3. How do insects, wind, and water help in the process of pollination?