

Understanding Pollination

Biology · Answer Key · 10 Questions

1. What is pollination?

- A) The growth of a plant
- B) The transfer of pollen from an anther to a stigma**
- C) The process of photosynthesis
- D) The formation of seeds without fertilization

2. What is the first step in pollination?

- A) Fertilisation
- B) Transfer of ripe pollen**
- C) Receptive stigma
- D) Pollen grain

3. What is the destination for pollen during pollination?

- A) Anther
- B) Stigma**
- C) Petal
- D) Root

4. Which type of pollination involves pollen transfer within the same flower or to another flower on the same plant?

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

5. If pollen moves from an anther of one flower to the stigma of a flower on a different plant of the same species, what type of pollination is this?

- A) Self-pollination
- B) Wind pollination
- C) Cross-pollination**
- D) Insect pollination

6. What part of the flower produces pollen?

- A) Stigma
- B) Ovary
- C) Anther**
- D) Petal

7. What must the stigma be for pollination to occur?

- A) Ripe
- B) Shed
- C) Receptive**
- D) Green

8. What is the result of successful pollination that follows fertilization?

- A) Wilting
- B) Pollen formation
- C) Seed development**
- D) Leaf growth

9. In self-pollination, pollen can be transferred to a stigma on:

- A) A different plant
- B) The same flower or other flowers on the same plant**
- C) Only a different flower on the same plant
- D) Only the same flower

10. In cross-pollination, pollen is transferred from the anther of one flower to the stigma of a flower on:

- A) The same plant
- B) A different plant of the same species**
- C) A different species
- D) The same flower