

Alw
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Home Assignment

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1. Define pollination. Why it is necessary.

Ans- pollination is the process in which the pollen grains from the anthers are transferred to the stigma of a flower of the same species. It is necessary because for the plants to be pollinated. It also leads to the production of fruits we can eat, and seeds that will create more plants. pollination is the transfer of pollen grains from one flower to another. Many insects help move pollen between flowers and act as "pollinators".

2. Differentiate between self and cross pollination.

Ans-

Self pollination

1. Self-pollination is one that occurs either within the same flower or between two flowers on the same plant.

Cross pollination

2. cross-pollination occurs between two plants on different plants or different plants of the same species.

2. In this pollination the pollen grains from the anthers may fall on the stigma of the same flower or the stigma of another flower on the same plant.

3. The agents of self-pollination are birds and bats.

3. In this pollination, the ~~pollens~~ pollen grains stick to the insect, then when the insect will go to the another plant then pollen grains fall on the stigma of the flower of the ~~the~~ any plants.

3. The ~~agents~~ agents of cross-pollination are insects, wind or waters.

3. Why rose is said to be insect pollinated flower?

Ans. Rose is said to be insect pollinated flower because the flower is brightly colored and produces ~~nectar~~ nectar. This attracts the insects. When the same insect visit another flower it dusts the pollens on its stigma resulting in pollination. Roses are pollinated by insects and this method is called ~~entomophily~~ entomophily.