

HW
6/7/2021

Home Assignment

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.

Pollination is necessary because:

- * It helps the species of plants to maintain their existence and population in the environment.
- * It develop adequate fruits to entice seed dispersers.

2) Differentiate between self and cross pollination.

Self pollination

Cross pollination

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

* Cross pollination occurs between two flowers on different plants of the same species

* Here, the pollen grains from the anthers may fall on the stigma of the same

* Here, the pollen grains from the anthers may fall on the stigma

flower or the stigma of another flower on the same plant.

of the different flower of the same species

* Ex: Peanuts, wheat, apricots, tomatoes etc.

* Examples: Apples, daffodils, grasses, pumpkins.

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

Ans- When a flower is pollinated by the insect the flower is known as insect pollinated flower. When an insect alights on a flower, the pollen grains stick to it. When this insect visits another flower, the pollen grains from its body may fall off on the stigma of that flower. Rose is pollinated by insects, that's why it is known as insect pollinated flower.

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