

1. Define Pollination. Why is it 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 important because it leads to the production of fruits we can eat, and seeds that will create more plants.

2) Differentiate between ~~the~~ cross and ~~the~~ self pollination.

Self pollination

* The pollen grains from a flower are carried to the stigma of the same flower.

* Such flowers do not need any pollinating agent.

Cross Pollination

* The pollen grains from a flower are carried to the stigma of the different flower on other plants.

* Such flowers need pollinating agents.

* Cross pollination is more preferable than

Self-pollination is less

preferable from the genetic point of view since there is no mixing of genes. | the genetic point of view since new characters can be produced.

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

The rose flower is brightly coloured and produces nectar. This attracts the insect. When ~~say~~ the same insect visits another flower it dusts the pollen on its stigma resulting in pollination. Roses are pollinated by insects and this method is called entomophily.

