

# BIOLOGY

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Q1) What is artificial pollination?

Ans) Artificial pollination means transfer of pollen grains to the stigma manually. The breeder's select two different varieties of a crop plant with desired characteristics.

Q2) What are the steps of artificial pollination?

Ans) \* Take a male flower and remove its petals.

\* Try not to touch the stamens to avoid the pollen transfer to your fingers.

\* Find a blooming female flower with its petals pushed back.

\* Touch the stamens of the male flower to the stigma of the female flower and roll over it gently.

\* So pollen will be transferred to the stigma & pollination will occur.

Q3) Why artificial pollination is beneficial to horticulturist?

Ans) The advantage of pollination is that it produces large numbers of the fruit and increases size and seed numbers. The artificial pollination also provides high conversion from flowers to export fruits. We can also produce a large



variety of hybrid plants by the use of artificial pollination.