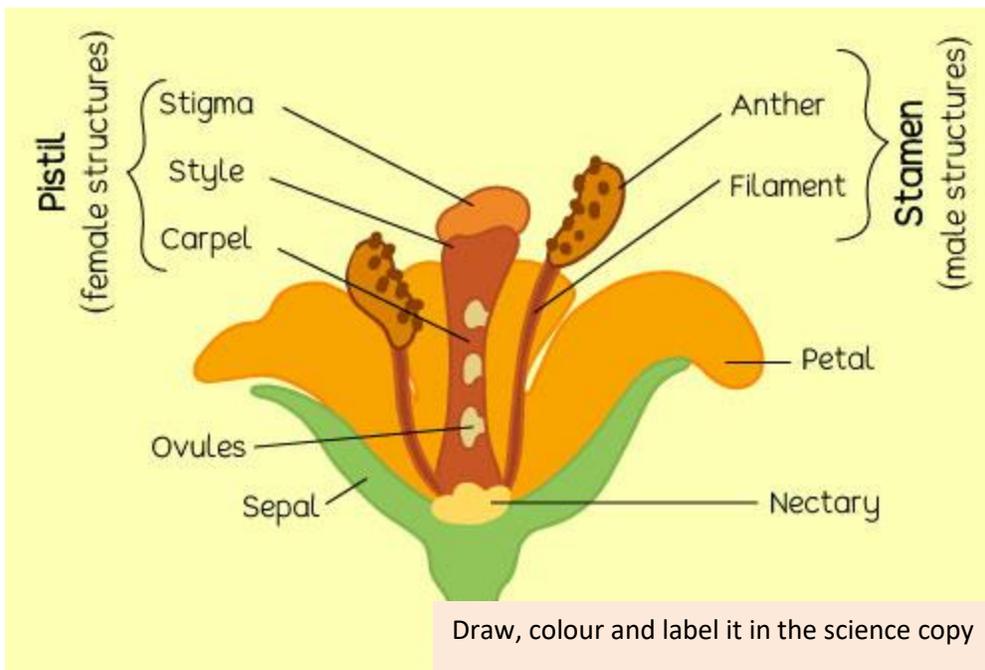


CLASS: 5

SUBJECT: SCIENCE (assignment 2)

CHAPTER: POLLINATION

Please read the chapter and learn the spellings. Write the spellings of the difficult words three times in the science copy. Draw, colour and label the diagram of a flower, given below in your science copy. Copy and learn the VOCABULARY, ANSWERS and NAME THESE given below in your science copy.



VOCABULARY

- **pollination:** the transfer of pollen from a stamen to a pistil
- **pollen:** a fine yellow powder produced by certain plants that plays a role in reproduction
- **stamen:** the (male) part of a flower where pollen is produced
- **stigma:** the tip of the pistil (the female part of the flower), which receives the male pollen grains
- **pistil:** the (female) part of the flower that receives the pollen
- **ovule:** a minute structure that, after fertilization, becomes a plant seed

A. NAME THESE:

1. The part of a plant that has seeds in it _____
2. The female part of a flower _____
3. The colourful part of a flower _____
4. The yellow powder of a flower _____
5. The male part of a flower _____

B. ANSWERS:

1. Name the four parts of a flower?

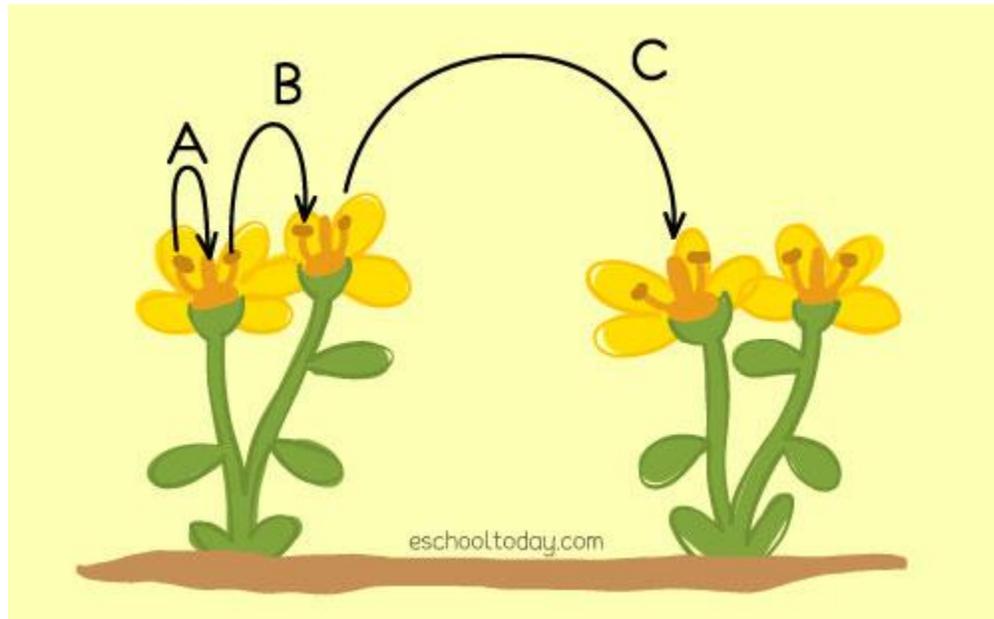
Ans: The four parts of a flower are Sepals, Petals, Androecium and Gynoecium.

2. What is pollination?

Ans: Pollination is the process of transferring pollens from the male part of the plant (the anther) to the female part of the plant (the stigma), to fertilize the plant and make wonderful baby plants, called seedlings.

3. How many types of pollinations are there? Explain them.

Ans: There are two types of pollination. Self-Pollination and Cross-Pollination.



Self-Pollination: Look at points A and B in the illustration above:

Self- Pollination occurs when the pollen from the anther is deposited on the stigma of the same flower, or another flower on the same plant.

Cross-pollination: Look at point C in the illustration above:

Cross-Pollination is the transfer of pollen from the anther of one flower to the stigma of another flower, on another plant, of the same species.

