

Homework

Q.1 Why vegetative reproduction is named so? Write the different types of vegetative reproduction with one example each.

Ans- In vegetative propagation, new plants are produced from roots, stems, leaves and buds. Since, asexual reproduction is done through the vegetative parts of the plants, It is known as vegetative propagation.

* Binary fission :- Ex - Chlorella

* Budding :- Ex - Yeast

* Fragmentation :- Ex - Spirogyra

* Spore formation :- ~~Ex~~ Ex - Moulds

* Vegetative reproduction :- Reproduction by stem
Ex - Ginger

* Reproduction by leaf :- Ex - Bryophyllum

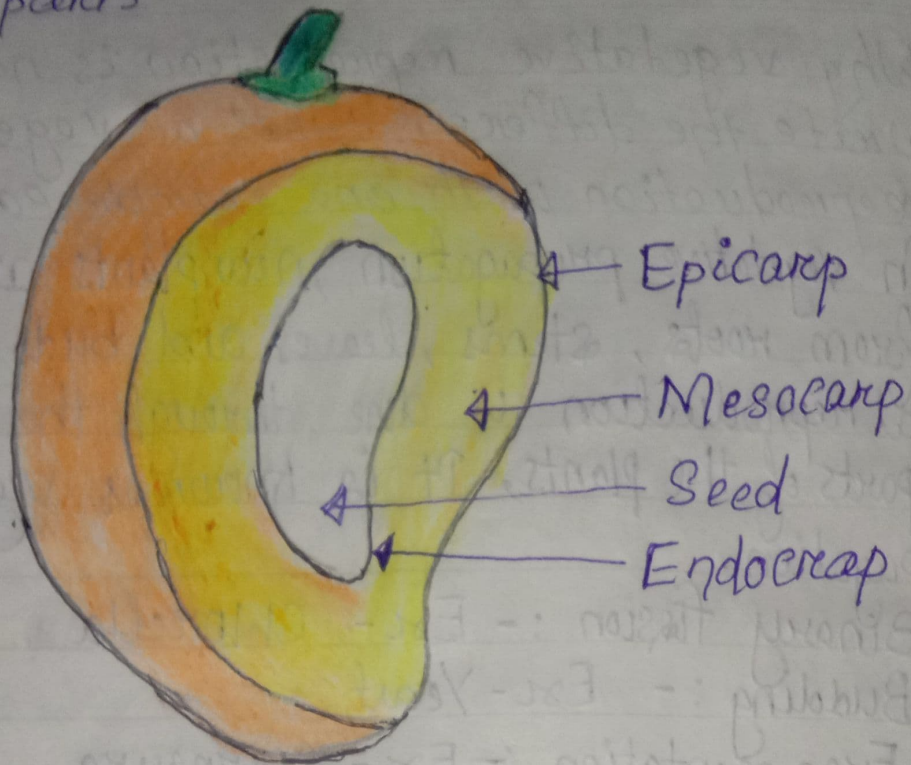
* Reproduction by root :- Ex - Carrot

Q.2. Name the primary and accessory parts of a flower.

Ans- The primary parts of a flower are the petals, Sepals, stamen and carpel.

The accessory parts of a flower are the sepals, petals and nectar glands.

Q.3 - Draw the diagram of a fruit and label the parts.



Q.4 - Name the different steps of artificial hybridization.

Ans - Artificial hybridization is the process in which only desired pollen grains are used for pollination and fertilisation. Artificial hybridization is achieved using the following techniques:

• Emasculation

- Removal of anthers from bisexual flowers of female parent plant.
- This is done before anthers mature.
- Prevents self-pollination.

- Bagging
- covering the emasculated flower to prevent contamination.
- Prevents contamination with unwanted pollen.

Desired pollen grains are deusted on stigma.