

2) Differentiate between asexual and sexual reproduction.

A- ASEYUAL REPRODUCTION	SEXUAL REPRODUCTION
★ The process of reproduction in which an organism reproduces on	★ The process of reproduction in which 2 individuals are

its own without the help of another individual is called asexual reproduction.

★ It happens in many ways - budding, binary fission, fragmentation and spore formation.

needed for the production of ~~of~~ offspring is called sexual reproduction.

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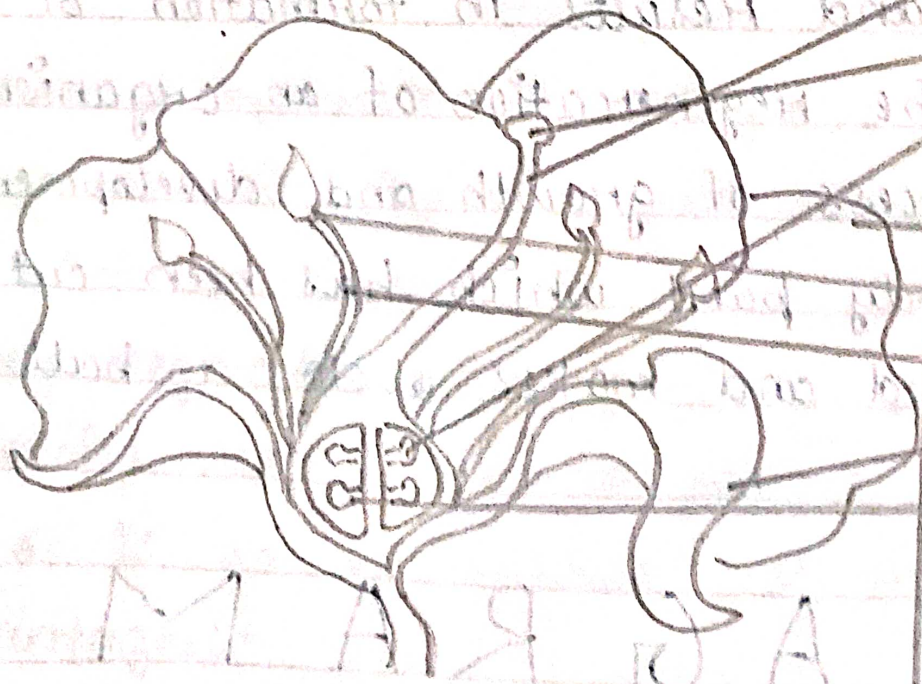
Tissue culture-

- * Tissue culture is one of the ways of cloning plants. It works with small pieces of plants, called explants.
- * The technique of developing new plants from a cell or tissue in a nutrient medium under aseptic conditions. The cell or tissue is placed in a nutrient medium where it forms a mass of cells called callus. This callus is then transferred to another nutrient medium where it differentiates and forms a new plant.

Benefits of tissue culture technique

- The new plantlets can be grown in a short amount of time.
- Only a small amount of initial plant tissue is required.
- The new plantlets and plants are more likely to be free of viruses and diseases.
- The process isn't dependent on the seasons and can be done throughout the year.

PARTS OF A FLOWER



- Style
- Stigma
- Ovary
- Corolla
- Antheroides
- Filament
- Calyx
- Ovule

Parts of a flower