

Ques

1. Give two reasons for appearance of variation among the progeny formed by sexual reproduction.

A Variation occurs in progeny formed through sexual reproduction because in this process

both germ cells are equally involved. Reproduction involves fusion of male & female gametes. So each time when zygote is formed, it is formed by combining of variants.

Q. Reproduction is one of the most important characteristics of living being. Give 3 reasons in support of statement

- A.
- Reproduction helps in increasing no. of members of a population.
 - By replacing dead members with new ones it minimizes risk of extinction of a species.
 - It brings about variations in species, thus leading to their evolution.

3. What is vegetative propagation? What is it used? List two uses.

A. It is an asexual mode of reproduction. In this process vegetative part of plants, body such as stem, leaves, tubers are used for growing new plants by cutting, grafting & layering which are identical to parent.

It is used to grow:

- Plants that have lost the capacity to produce seeds.