

Home Assignment

1. Give 2 reasons for the appearance of variation among the progeny formed by sexual reproduction.

Ans: The 2 reasons are

→ Crossing over in the process in which DNA is exchanged between the homologous chromosomes during meiosis, this causes variation in the progeny.

→ The progeny formed due to sexual reproduction has characteristics from the mother as well as the father. Hence because of this the characteristics differ and result in variation.

2. ^{imp} Reproduction is one of the most imp. characteristics of living beings. Give 3 reasons.

Ans → It is very necessary for continuity of a species.

→ In reproduction 1 generation give rise to the next generation.

→ It plays an important role in evolution.

3. ~~Q~~ What is vegetative propagation? when is it used? List its uses.

Ans vegetative propagation is an asexual method of reproduction in which vegetative parts of plant are used for growing new plants. ~~opposite~~

It is used in:

→ plants that have lost the capacity to produce seeds.

→ plants which are genetically similar enough to the parent plants.

→ It is cheaper and more rapid method of propagation.