

1. What is Reproduction? Why is it important?

sol: Reproduction is the biological process by which new offsprings are produced from their parents. Reproduction is a fundamental feature of all known life; each individual organism exists as the result of reproduction. The known methods of reproduction are ~~broadly~~ broadly grouped into two main types: sexual and asexual.

The importance is:

- ★ Reproduction is essential for the continuing existence of a species.
- ★ To maintain the food chain.
- ★ To maintain balance in nature.
- ★ It helps in multiplication of a particular species.

2. What is the importance of asexual reproduction and vegetative propagation?

sol: In some higher plants, the vegetative parts of the plant like the root, stem or leaf also help in producing new plants. This is called vegetative propagation. Natural vegetative propagation is done by many sources. Such as:  
Reproduction by stem; as in common grass and mint. Reproduction by leaf; as in Bryophyllum. Reproduction by roots; as in plants like Sweet Potato and Asparagus.