

*Lets read page
158-161*



#1,2,3,4b,5, 6

1) Asexual requires one parent and all offsprings are identical to the parent. Sexual requires 2 parents and their offspring is a mixture of genetic information form both parents.

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Questions 3, 5, 6

3) How is the zygote, produce by sexual reproduction, different from daughter cells, produced by asexual reproduction?

ans: The zygote has a combination of genes from both parenets, while the cell that undegoes mitosis is identical to the parent.

5) Identify the type of asexual reproduction in each of the following situations:

(a) A multicellular algae is struck by a wave. The algae breaks up and each new piece grows into a new organism.

Ans: Fragmentation

(b) A new tree begins to grow from the root of a nearby tree

Ans: Vegetative reproduction

(c) A small cell begins to grow on the outside of another cell. Eventually, it breaks away from the larger cell and continues to grow.

Ans: Budding

6.

Asexual Reproduction	
Advantages	Disadvantages
Does not require a mate/partner	No genetic variability (disease kills all)
Good traits always passed on	Bad traits always passed on
rapid	rapid