



BIOLOGY

CH:8- HOW DO ORGANISMS REPRODUCE?

Name: _____

Date: _____

Class: X Sec: ____

- 1 Why is sexual reproduction considered to be superior to asexual reproduction in terms of evolution?
- 2 Name the information source for making proteins in a cell. State two basic events in reproduction.
- 3 What is the effect of DNA copying which is not perfectly accurate on the reproduction process?
- 4 With the help of diagram show the different stages of binary fission in amoeba.
- 5 What is regeneration? State the reason why a more complex organism cannot give rise to new individuals through this method?
- 6 “Variations that confer an advantage to an individual organism only will survive in a population.” Justify.
- 7 Write the full form of DNA. Name the part of the cell where it is located? Explain its role in the process of reproduction of the cell
- 8 Illustrate the following with the help of suitable diagrams :
 - i) Regeneration in planaria
 - ii) Budding in hydra
 - iii) Leaf of bryophyllum with buds
 - iv) Spore formation in rhizopus
 - v) Multiple fission in plasmodium
- 9 What are the advantages and disadvantage of asexual reproduction.
- 10 Mention any two advantages of using vegetative propagation for growing some types of plants?
- 11 Differentiate between binary and multiple fission for reproduction. Give one example of each.
- 12 What is meant by DNA copying? Mention its importance in reproduction?
- 13 Write two advantages of vegetative propagation?
- 14 Differentiate between the fission of unicellular organism Leishmania and of Plasmodium.
- 15 List three differences between pollination and fertilization.



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16. Write the differences between male and female gamete.
17. Write any three characteristics of the stigma.
18. Define the following : unisexual flower , bisexual flower
19. How is the process of pollination different from fertilization.