



INDIAN SCHOOL NIZWA - WORKSHEET

BIOLOGY CH-1 REPRODUCTION IN ORGANISMS

Name: _____

Date: _____

Class: XII-A

BOARD QUESTIONS

1. In yeast and amoeba the parent cell divides to give rise to new individual cells .How does the cell division differ in these two organisms?
2. Name an organism where cell division is itself a mode of reproduction.
3. Banana is a true fruit but it is a parthenocarpic fruit also. Give a reason
4. Why is the offspring formed by asexual reproduction referred to a clone?
5. Name the phenomenon and the cell responsible for the development of a new individual without fertilization as seen in honey bees.
6. Banana produces fruits but is propagated by vegetative means. Why is it so?
7. Name the units of vegetative propagation in water hyacinth. Explain giving reasons why it has become the most invasive aquatic weed?
8. Why are mosses and liverworts unable to complete their sexual mode of reproduction in dry conditions?
9. The whip tail lizard produces females for several generations. Why?
10. Explain why meiosis and gametogenesis are always interlinked.

ANSWER THE FOLLOWING QUESTIONS .

1. Define lifespan.
2. Define reproduction.
3. Name two plants exhibit unusual flowering phenomenon.
4. Write the differences between oestrous cycle and menstrual cycle.
5. Give two examples of algae that produce isogametes and heterogametes.
6. Name the type of gametes formed in staminate and pistillate flowers.
7. Name three plants have a haploid plant body.
8. Name the asexual reproductive structure in penicillium.
9. Name a plant in which the sepals remain attached to the fruit.
10. Write the differences between male and female gamete.
11. To fertilize with one female gamete, the male gametes are produced in several thousands. Why?
12. The turkey usually produces females for several generations. How is this possible?



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13. The meiocyte of an onion plant contains 32 chromosomes. Work out the number of chromosomes present in the zygote.
14. What is the importance of zygote?
15. Coconut palm is monoecious while Date palm is dioecious. Why are they called so?
16. The internodal segments of sugarcane fail to propagate vegetatively even if they are in contact with damp soil. Why?
17. A cut piece of a leaf reproduces vegetatively. Name the plant .How does it reproduce vegetatively?
18. What are the factors which influence the reproduction process in organisms?
19. Why are the similarities of a clone and an asexually reproduced offspring ?
20. Gemmules and buds are structures of asexual reproduction yet they are different. Explain.
21. Vegetative propagation is a type of asexual reproduction. Justify.
22. Write the difference between Sucker and offset.
23. Write a note on 'terror of Bengal' .
24. Survival rate of young ones of viviparous animals are more than oviparous animals. Why?
25. Earthworm is a hermaphrodite while cockroach is not .Why?



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