



BIOLOGY

BOOKS - PSEB

REPRODUCTION IN ORGANISMS

Exercise

1. What is the role of reproduction?



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2. Which mode of reproduction is better and why ?



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3. Why is offspring formed by asexual reproduction referred to as clone ?



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4. How progeny formed from sexual reproduction have better chances of survival, why?



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5. How does progeny formed from asexual reproduction differ from those formed by sexual reproduction ?



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6. Differentiate asexual and sexual reproduction.



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7. What is vegetative propagation ? Name various types of vegetative propagation.



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8. Define: Juvenile phase.





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9. Define: Reproductive phase.



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10. Define: Senescent phase.



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11. Higher organisms have resorted to sexual reproduction in spite of its complexity. Why?



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12. Explain why meiosis and gametogenesis are always interlinked?



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13. Identify each part in a flowering plant and

write whether it is haploid :

Ovary_____



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14. Identify each part in a flowering plant and

write whether it is haploid : Anther



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15. Identify each part in a flowering plant and write whether it is haploid : Egg_____



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16. Identify each part in a flowering plant and write whether it is haploid :
Pollen_____



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17. Identify each part in a flowering plant and write whether it is haploid : Male gamete _____



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18. Identify each part in a flowering plant and write whether it is haploid : Zygote _____



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19. Define external fertilisation. Mention its disadvantages.



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20. Differentiate between a zoospore and a zygote.



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21. Differentiate between gametogenesis and embryogenesis.



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22. Describe the post-fertilisation changes in a flower.



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23. What is a bisexual flower? Collect five bisexual flowers from your neighbourhood and with the help of your teacher find out their common and scientific names.



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24. Examine a few flowers of any cucurbit plant and try to identify the staminate and pistillate flowers. Do you know any other plant that bears unisexual flowers?





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25. Why are offspring of oviparous animals at a greater risk as compared to offspring of viviparous animals?



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