



BIOLOGY

BOOKS - PSEB

ORGANISMS AND POPULATIONS

Exercise

1. How is diapause different from hibernation?



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2. If a marine fish is placed in a fresh water aquarium, will the fish be able to survive ?

Why or why not ?



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3. Define phenotypic adaptation. Give one example.



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4. Most living organisms cannot survive at temperature above 45°C . How are some microbes able to live in habitats with temperatures exceeding 100°C ?



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5. List the attributes that populations but not individuals possess.



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6. If a population growing exponentially double in size in 3 years, what is the intrinsic rate of increase (r) of the population?



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7. Name important defense mechanisms in plants against herbivory.



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8. An orchid plant is growing on the branch of a mango tree. How do you describe this interaction between the orchid and the mango tree?



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9. Define the following terms and give one example for each: Commensalism



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10. What is the ecological principle behind the biological control method of managing with pest Insects?



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11. Select the statement which explains best parasitism :



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12. Distinguish between the following:

Hibernation and Aestivation



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13. List any three important characteristics of population and explain them.



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14. Distinguish between the following:

Ectotherms and Endotherms



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15. Write a short note on: Adaptations of desert plants and animals



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16. Write a short note on: Adaptations of desert plants and animals



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17. Write a short note on: Adaptations of plants to water scarcity



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18. Write a short note on: behavioural adaptations in animals



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19. Write a short note on: Importance of light to plants



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20. Write a short note on: Effect of temperature or water scarcity and the adaptations of animals.



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21. List the various abiotic environmental factors.



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22. Give one example of endothermic reaction



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23. Give one example of endothermic reaction



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24. Give one example of endothermic reaction



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25. Give an example for: An organism of benthic /one



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26. Define population and community.



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27. Define the following terms and give one example for each: Commensalism



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28. Define the following terms and give one example for each: Parasitism



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29. Define the following terms and give one example for each: Camouflage



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30. Define the following terms and give one example for each: Mutualism



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31. Define the following terms and give one example for each: Interspecific competition



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32. With the help of suitable diagram describe the logistic population growth curve.



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33. With the help of suitable diagram describe the logistic population growth curve.



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34. Select the statement which explains best parasitism :



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35. With the help of suitable diagram describe the logistic population growth curve.



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36. Select the statement which explains best parasitism :



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37. Select the statement which explains best parasitism :



Watch Video Solution

38. Select the statement which explains best parasitism :



Watch Video Solution

39. List any three important characteristics of population and explain them.



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