



BIOLOGY

BOOKS - VGS PUBLICATION-BRILLIANT

DIFFERENT ECOSYSTEMS

Exercise

1. Define an ecosystem. Explain it with a suitable example.



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2. Explain how diversity of living organisms helps in enriching any ecosystem.



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3. What happens when two animals having similar habits share one ecosystem? How could you conserve this type of bio-diversity?



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4. What is the difference between habitat and ecosystem?



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5. Who am I? I am the base of food chain



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6. Who am I? I depend on plants for food.



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7. Who am I? I break down the remains of dead plants and animals



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8. Which of the following is a producer? And why?



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9. What do you understand by food web?

Describes own food web with the help of diagrammatic representation.



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10. An ecosystem that had mice. What happens if more cats were added to it?



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11. List out producers (Plants, Bushes, Trees), consumer.(herbivores and carnivores) and decomposers that you observed in your agriculture field or school garden.



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12. In grassland ecosystem, rabbit eats only plants. They eat plants faster than the plant can grow back. What must happen to bring the ecosystem into balance?





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13. Plant, tiger, rabbit, fox, eagle. Did you find any connection among the above list of things. If we remove Rabbit from the list what will happen?



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14. How do you understand the interdependency of animals and plants ? How do you appreciate that ?



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15. Prepare a table on adaptations of the desert animal collect the data form your school library?



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16. Construct the food web with the following?
Grass Plants Grasshopper Frog Snake Eagle
Goat Fox Tiger Wolf Rabbit .





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17. Draw the diagram of interdependence between the biotic components and answer the following questions.

Where do plants get their food from?



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18. Draw the diagram of interdependence between the biotic components and answer

the following questions.

What do the arrows in the figure indicate?



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19. Draw the diagram of interdependence between the biotic components and answer the following questions.

Trace the path from grass to tiger. You may trace out other paths as well.



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20. Draw the diagram of interdependence between the biotic components and answer the following questions.

On how many organisms is rabbit dependent?

Write their names.



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21. Draw the diagram of interdependence between the biotic components and answer the following questions.

On how many organisms is rabbit dependent?

Write their names.



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22. Draw the diagram of interdependence between the biotic components and answer the following questions.

Where do plants get their food from?



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23. Except food what other things do animals need for their survival ?



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24. Which are the producers in the food web ?



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25. Which are consumers ?



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26. Where does the food web start from?



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27. Where the food web ends ?



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28. What happens when plants and animals die in a food web?



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29. Who coined the word ecosystem at first?



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30. What are the different terms used for environment?



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31. What do we call the small level of ecosystem?



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32. What do we call the larger level of ecosystem?



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33. What do we study in an ecosystem?



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34. How is an ecosystem made up of ?



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35. Name the abiotic components.



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36. What type of relationship is seen in an ecosystem?



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37. How do plants and animals depend on one another?



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38. From where do all living things derive energy?



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39. Why are decomposers called recyclers?



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40. Where does the food web start from?



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41. What happens when plants and animals die in a food web?



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42. How do the changes take place in an ecosystem?



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43. What are mangroves?



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44. Where do mangroves grow?



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45. Where is Coringa Mangrove situated?



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46. From which rivers Coringa mangrove receive water?



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47. Name the producers presents in Coringa mangrove.



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48. Name the consumers present in Coringa.



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49. Name the decomposers present in Coringa.



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50. In what conditions a living community lives?



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51. What is-ecosystem ?



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52. How much place is occupied by the desert on land?



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53. What type of producers can be seen in deserts?



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54. Why do cacti have succulent stems?



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55. Which organisms capture energy from sun?



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56. What are the first trophic level in the ecosystem ?



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57. What does the food chain consist of ?



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58. What are consumers? Give examples.



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59. What are decomposers? Give examples.



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60. What is food web?



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61. What are producers? Give example



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62. What is the significance of mangrove ecosystem?



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63. "The Sun is the main source of energy for all living things on earth". How?



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64. Draw and label the plants and animals present in the food web in Coringa Ecosystem.



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65. Draw the diagram showing Figure of Energy flow, in an ecosystem.



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66. Why Ecologists classified ecosystems on different basis?



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67. All the organisms derive energy from

A. Soil

B. Water

C. Air

D. Food

Answer:



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68. The main source of energy for all living things is

A. Electricity

B. Generator

C. Battery

D. Sun

Answer:



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69. Living organisms that decompose dead animals and plants are called_____

- A. Producers
- B. Consumers
- C. Decomposers
- D. None

Answer:



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70. The food web starts from one of them

A. Animals

B. Plants

C. Bacteria

D. Fungi

Answer:



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71. Coringa mangrove is named after the river

A. Ganga

B. Corangi

C. Godavari

D. Kaveri

Answer:



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72. How much place is occupied by the desert on land?

A. 0.17

B. 0.18

C. 0.19

D. 0.2

Answer:



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73. The camel feeds on

A. Insects

B. Animals

C. tender shoots

D. Roots

Answer:



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74. _____ % of solar energy is absorbed in the atmosphere and scattered into space.

A. 0.57

B. 0.59

C. 0.6

D. 0.4

Answer:



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75. In a food web snakes will be eaten by

A. Owl

B. Peacock

C. Cat

D. Rabbit

Answer:



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76. What is the largest ecosystem present on the earth?

A. Habit

B. Habitat

C. Biosphere

D. Stratosphere

Answer:



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77. Leaves in desert plants are covered by a layer of

A. Hair

B. Fur

C. Water

D. Wax

Answer:



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78. The excretory material in birds is

A. Urea

B. Uric acid

C. Ammonia

D. None

Answer:



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79. Aestivation can be seen in

A. Summer

B. Winter

C. Spring

D. Autumn

Answer:



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80. Which one of the following acts as primary as well as secondary consumer in the forest ecosystem?

A. Rabbit

B. Deer

C. Man

D. Lion

Answer:



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81. Trophic level in an ecosystem represents the

A. Water level

B. Energy level

C. Salt level

D. CO₂ level

Answer:



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82. In a pond ecosystem, diatoms are

- A. Decomposers
- B. Primary consumers
- C. Secondary consumers
- D. Producers

Answer:



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83. The best example for artificial ecosystem is

A. River ecosystem

B. Spaceship

C. Pond ecosystem

D. Mangrove ecosystem

Answer:



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84. The following one can trap the solar energy.

A. Deer

B. Lion

C. Rabbit

D. Green plant

Answer:



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85. Ecosystems can be destroyed-by

A. Cyclones

B. Tsunamis

C. Volcanic eruptions

D. All the above

Answer:



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86. The dry skin and spiny exoskeleton animals can be seen in

A. Forest ecosystem

B. Grassland ecosystem

C. Desert ecosystem

D. Pond ecosystem

Answer:



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87. The forests that grow near the backwaters of the sea

A. Evergreen forests

B. Evergreen forests

C. Deciduous forests

D. Mangrove forests

Answer:



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88. Coringa is the best example for the following

A. River ecosystem

B. Forest ecosystem

C. Mangrove ecosystem

D. Desert ecosystem

Answer:



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89. The term ecosystem was coined by

A. AG, Tansley

B. Hackel

C. Aristotle

D. Robert Hooke

Answer:



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90. The basic unit of Nature is

A. Habitat

B. Niche

C. Trophic level

D. Ecosystem

Answer:



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91. Several food chains interlinked themselves to form a

A. Food cup

B. Food web

C. Food net

D. None

Answer:



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92. The average rainfall of a desert is less than

.....

A. Less than 50 mm

B. Less than 40 mm

C. Less than 60 mm

D. Less than 23 mm

Answer:



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93. Food web ends at

A. Plants

B. Herbivores

C. Carnivores

D. Top carnivores

Answer:



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94. Example for Succulent plant

A. Neem

B. Banyan

C. Pistia

D. Cactus

Answer:



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95. The energy in an ecosystem flows in the form of

A. Light

B. Heat

C. Water vapour

D. Food chains

Answer:



96. Large number of herbivores can be seen in this ecosystem.

- A. Forest
- B. Desert
- C. Mangrove
- D. Grass land

Answer:



97. All the energy present at a particular level in the food chains of an ecosystem is called

- A. Food web
- B. Ecotone
- C. Trophic level
- D. Food chain

Answer:



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98. 'Detritus' is a ____

A. Fungus

B. Algae

C. Carnivore

D. Decomposable matter

Answer:



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99. This will happen if more number of rabbits are artificially introduced in a grass land ecosystem.

A. Even more number of rabbits will be seen

B. Tough competition for food among the rabbits will be seen

C. There will be no change in the ecosystem

D. Growth of the grass will not be affected

Answer:



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100. Eco friendly action - Fallen leaves,
Vegetable wastes are to be

A. Burn

B. Left as it is

C. Converted into compost manure

D. Thrown in drainage

Answer:



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