



BIOLOGY

BOOKS - MBD

OUR ENVIRONMENT

Examples

1. Why are some substances biodegradable and some non-biodegradable?



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2. Give any two ways in which biodegradable substance would affect the environment?



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3. Give any two ways in which non-biodegradable substances would affect the environment.



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4. What are trophic levels? Give an example of food chain and state the different trophic levels in it.



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5. What is the role of decomposers in the ecosystem?



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6. What is ozone and how does it affect any ecosystem?



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7. How can you help in reducing the problem of waste disposal? Give any two methods.



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8. Which of the following groups contains only biodegradable items:

A. Grass,flowers and leather

B. grass,wood and plastic

C. fruit-peels,cake and lime-juice

D. cake,wood and grass

Answer:



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9. Which of the following constitute a food chain?

A. grass,wheat and mango

B. grass,goat and human

C. goat cow, and elephant

D. grass,fish and goat.

Answer:



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10. Which of the following are environment-friendly practices?

A. Carrying cloth-bags to put purchases in while shopping

B. switching of unnecessary lights and fans

C. walking to school instead of getting your mother to drop you on her scooter

D. all of the above

Answer:





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11. What will happen if we kill all the organisms in one trophic level?



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12. Will the impact of removing all the organisms in a trophic level be different for different trophic levels? Can the organisms of any trophic level be removed without causing any damage to the ecosystem?



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13. What is biological magnification?What are its effects?



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14. What is biological magnification?What are its effects?



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15. What are the problems caused by the non-biodegradable wastes that we generate?



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16. Give any two ways in which non-biodegradable substances would affect the environment.



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17. If all the wastes we generate is biodegradable, will this have no impact on the environment?



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18. Why damage to the ozone layer is a cause of concern? What steps are being taken to limit this damage?



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19. Differentiate the following: EcosystKHO and biome



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20. Differentiate the following: food chain and food web



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21. Differentiate the following :carnivores and omnivores.



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22. Why it is said that flow of energy is always unidirectional?



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23. Why does food chain become short?



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24. Can there be more than six trophic levels in a food chain? If not, why?



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25. In the context of energy which level of food chain is considered beneficial for us? why?



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26. Write in brief the role of decomposers in recycling.



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27. What is meant by soil reosion?What are agents of soil erosion ?Write effects of soil erosion.



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28. Define environment ,What are its major components?



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29. What is environmental pollution?Write three examples of non-biodegradables which are harmful for human beings.



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30. How does development affect our environment?



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31. Define pollution.



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32. Differentiate biodegradable and non-biodegradable pollutants. classify the following

under

the

above

two

categories:DDT,Paper,Cotton cloth,Plastics.



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33. Define biosphere.



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34. What happens when we add waste to the environment?explain



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35. List the biotic and abiotic components of ecosystem.



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36. Explain functions of ecosystem.



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37. List the key functional aspects of ecosystems



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38. Differentiate between producers and consumers.



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39. How different levels will be affected if frogs are removed from the following food chain?

Grass Grass hopper frog snake peacock



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40. Write food chains of various trophic levels. At which level energy will be maximum?



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41. How does energy reach from environment to the consumer and in which form?



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42. What will happen if all the decomposers are removed from the ecosystem?



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43. Write four characteristics of food web.



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44. What is food web?



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45. What results do you get from the transformation of energy?



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46. How do harmful insecticides concentrate in our bodies?



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47. How are human beings responsible for ecological imbalance?



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48. What is 10% law?



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49. Who will get more energy-herbivores of carnivores?



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50. How is ecological balance maintained?



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51. Name the chemicals which are considered responsible for hole in ozone layer?



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52. Name the activities of human beings those have caused much harm to environment



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53. Name the created problems by human beings for whole of the world?



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54. Distinguish between decomposers and parasites?



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55. A food chain is given below:

Grass → Deer → Lion

What will happen if lion is removed from this food chain?



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56. Consider the given food chains given below

(i) Plants → rats → snakes → hawks (ii) Plants → rats →

hawks. If energy available at producer level is

100 J in which case, will

hawk get more energy as food and by what factor? Justify your answer .



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57. Explain with the help of a food chain how does bio-magnificaton of harmful chemical take place



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58. if plants get 20,000 J of energy from sun, how much energy will be available to lion in the following food chain? calculate.



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59. Why do the food habits of first and third trophic levels differ?



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60. How is ozone made in atmosphere?how is it depleting?



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61. In railway trains,tea/coffee is served in earthen pots and disposal cups made of paper?What are the harms of it?



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62. What is ozone hole?What is its significane?



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63. Write the harmful effects of ozone depletion.



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64. Explain global warming.



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65. How is acid rain formed?



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66. What is global warming?



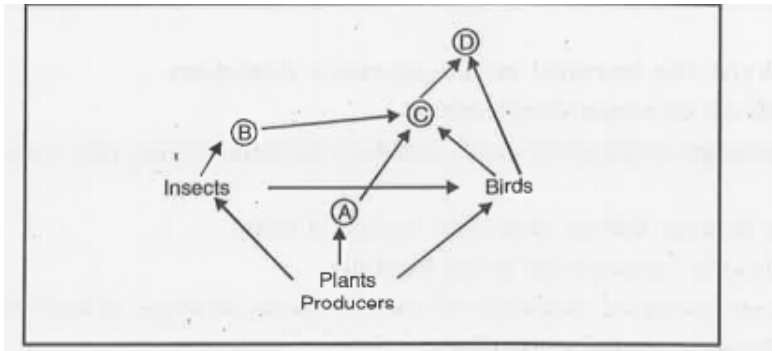
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67. List four common disposal methods?



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68. Complete the sketch by labelling A,B,C,D to illustrate food web.



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69. Match the following :

Column-I	Column-II
(a) Phyto planktons	(i) Fish
(b) Larvae/Insects	(ii) Bird
(c) Carnivore	(iii) Primary Consumers
(d) Top Carnivore	(iv) Producers.



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70. Which substances are called waste substances?



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71. What help in digestion of food in our body?



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72. Which substances are specific in their action?



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73. Which man made material cannot be decomposed by bacteria and decomposers?



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74. What are biodegradable substances?



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75. Give four examples of biodegradable substances



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76. What are non-biodegradable substances?



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77. Give two examples of non-biodegradable substances



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78. Give examples of natural ecosystem



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79. Give two examples of man made ecosystem.



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80. In which three categories are the organisms categoried?



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81. What are producers?



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82. Give two examples of organisms which can do photo-synthesis.



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83. On what do all organisms directly or indirectly dependent for their food?



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84. What are consumers?



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85. Give four examples of consumers.



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86. Which two organisms decompose waste substances?



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87. Why are micro-organisms called decomposers?



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88. Where are living organisms found?



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89. What is biosphere?





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90. List four components which help in making biosphere a non-living component.



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91. Do living and non-living components dependent on each other?



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92. List the living components of biosphere.



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93. What is the main activity of decomposers?



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94. Give one example each of autotrophs and heterotrophs



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95. Is energy increased or decreased during transformation in food chain?



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96. Grass → Deer → Lion

Who is the producer and why?



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97. What are omnivores?



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98. Name two ecosystems of this world?



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99. Grass → insects → frog → birds → human.

In this food chain: who get maximum energy?



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100. Grass → insects → frog → birds → human.

Who gets minimum energy?



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101. Give an example of food chain in water.



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102. What is formed when various food chains combine?



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103. Who will get more energy-herbivores or carnivores?



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104. What is the main activity of food chain?



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105. What are planktons?



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106. What are phytoplanktons?



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107. What are zooplanktons?



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108. Which organisms produce food material?



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109. Give an example of a producer of water food chain.



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110. How is energy transferred in food chain?



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111. How are eagle and vultures important components of our environment?



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112. What are trophic levels?



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113. Who forms food chain?



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114. What form trophic levels?



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115. Who are related to first trophic level?



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116. Who are the organisms of second trophical level?



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117. Give two examples of third trophic level organisms



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118. How much amount of solar energy is trapped by green plants?



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119. How much percentage of food can be transferred to next trophic level?



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120. How many levels are there in normal food chain?



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121. At which level is the population maximum?



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122. In whose body of some living being is the most toxic chemical accumulated?



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123. What is the reason of accumulation of the most harmful substances in human's body ?



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124. How many atoms of oxygen combine to form ozone?



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125. From what does ozone layer protect earth?



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126. What harm can be caused to human beings by U.V.radiations?



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127. What decomposes atoms of oxygen (O_2) to free oxygen (o) at the higher level of air?



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128. Since when the level of ozone has started decreasing in atmosphere?



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129. What is the root cause of depletion of ozone layer?



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130. Where are CFC's mainly used?



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131. What agreement was accepted by United Nations Environment Programme (UNEP) in

1987?



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132. How improvement in our life style has affect garbage?



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133. Which type of garbage has increased with the change in packaging material?



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134. Name any two water pollutants.



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135. The word ecosystem was coined by:

A. writer

B. tansley

C. odum

D. darwin

Answer:



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136. Green plants are:

- A. autotrophs
- B. heterotrophs
- C. parasites
- D. saprophytes

Answer:



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137. Which organism is a decomposer?

A. vulture

B. fungus

C. fox

D. frog

Answer:



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138. Grass-insect-frog-snake-hawk. In this food chain the secondary consumers are:

A. insects

B. frog

C. snake

D. grass.

Answer:



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139. Which one is a primary consumer in a pond ecosystem?

- A. Green algae
- B. zooplankton
- C. snake
- D. bacteria.

Answer:



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140. The best arrangement of an energy system consisting of hawks ,snakes ,mice and grasses is:

A. grass → mice → snake → hawks

B. grass → snake → mice → hawks

C. grass → mice → hawks → snakes

D. mice → snake → hawks → grass.

Answer:



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141. They can be put in the category of primary consumers:

- A. eagles and tigers
- B. fishes and whales
- C. snakes and frogs
- D. insects and cattles.

Answer:



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142.and....are examples of non-biodegradables waster.



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143.and....are exapmples of artificial ecosystKHO.



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144. Plants prepare their own food by trapping solar energy and are called..... .



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145.is a unit of environment and can be identified and studied.



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146. Each step in a food chain constitue..... .



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147. Thinning in ozone layer allows harmful..... rays to reach earth surface.



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148. Burning of waste in low lying area is called..... .



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