



BIOLOGY

BOOKS - MBD -HARYANA BOARD

OUR NATURAL RESOURCES

Example

1. How is our atmosphere different from the atmospheres on Venus and Mars ?



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2. How does the atmosphere act as a blanket?



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3. What causes winds?



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4. How are clouds formed?



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5. List any three human activities that you think lead to air pollution.



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6. Why do organisms need water ?



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7. What is the major source of fresh water in the city/town/village where you live?



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8. Do you know of any activity which may be polluting this water source?



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9. How is soil formed?



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10. What is soil erosion?



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11. What are the methods of preventing or reducing soil erosion?



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12. What are the different states in which water is found during the water cycle?



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13. Name two biological important compounds that contain both oxygen and nitrogen.



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14. List any three human activities which would lead to an increase in CO_2 in air.



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15. What is greenhouse effect ?



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16. What are the two forms of oxygen found in the atmosphere?



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17. Why is the atmosphere essential for life?



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18. Why is water essential for life?



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19. How are living organisms dependent on the soil ? Are organisms that live in water totally independent of soil as a resource?



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20. You have seen weather reports on television and in newspapers. How do you think are able to predict the weather?



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21. We know that many human activities lead to increasing levels of pollution of the air, water-bodies and soil. Do you think that isolating these activities to specific and limited areas would help in reducing pollution?



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22. Write a note on formation of soil.



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23. What are the effects of use of fertilizers and pesticides for long period on soil fertility ?

What are the causes of soil erosion ?



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24. What are the effects of use of fertilizers and pesticides for long period on soil fertility ?

What are the causes of soil erosion ?



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25. Why is soil as resource important for mankind ? Mention the constituents of soil.



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26. Define soil fertility. How can it be maintained ?



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27. What is air pollution ? Write the main sources and preventive measures.



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28. Write a few properties of water. Sketch water Cycle.



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29. What is nitrogen cycle ? Make a simple line sketch to show nitrogen cycle in the biosphere.



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30. Briefly explain oxygen cycle.



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31. Briefly explain carbon cycle in nature.



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32. What are the causes of ozone depletion ?



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33. Write a note on fresh water resources.



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34. What is atmosphere ? Name its different layers.



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35. What is the role of atmosphere in climate control ?



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36. What is ozone layer ? Write its importance.



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37. What is meant by ozone shield ?Howthe CFC's and ozone depleting substances effect ozone shield ?



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38. Write a note on the air pollution caused due to combustion



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39. Discuss harmful effects of air pollution.



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40. What is the role of biotic components in living organisms ?



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41. What are aerosoles?





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42. What are acid rains ?



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43. What is smog ?



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44. Explain the role of sun in soil formation.





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45. How does water take part in soil formation ?



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46. Discuss the role of wind and living organisms in soil formation.



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47. What is the role of atmosphere in movement of air which causes winds ?



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48. What is the role of atmosphere in movement of air which causes winds ?



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49. How are rainfall patterns decided ?



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50. What is the role of atmosphere in causing rain ?



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51. Comment "Water is one of the major resources which determine life on land". List a few other factors also.



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52. What is water pollution ?



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53. What are the sources of water pollution ?



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54. What are the effects of water pollution ?



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55. Make a list of various diseases caused by polluted water.



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56. What is greenhouse effect ? Show the % age of gases that cause greenhouse effect.



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57. List various measures for soil conservation.





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58. How will you determine composition of soil ?



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59. Make an outline sketch of nitrogen cycle.



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60. Life exists on which planet ?



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61. What are the materials required for life ?



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62. What is environment?



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63. Basic requirement of life are obtained from which sources.



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64. What is atmosphere?



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65. How much surface of earth is covered by water ?



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66. How atmosphere covers the earth ?



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67. What is biosphere ?



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68. What are biotic components of biosphere ?



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69. List the abiotic components of biosphere ?



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70. Name the gaseous components of atmosphere.



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71. Name the gases present on Venus and Mars planet.



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72. What is respiration?



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73. How is CO_2 used so that balance is maintained ?





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74. How is temperature regulated on earth ?



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75. What is the minimum and maximum temperature on moon ?



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76. What causes winds?



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77. How are clouds formed ?



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78. Which wind gets hot : Water to earth surface or from surface of earth to upward.



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79. During night what is the direction of movement of air ?



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80. What is the cause of movement of wind ?



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81. List two factors which affect wind.



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82. What is deforestation ?



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83. What is the effect of deforestation ?



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84. Is air a good or bad conductor of heat ?



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85. What is the cause of rain on Indian Land.



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86. What is smog ?



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87. What does the smog indicate ?



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88. Where is the purest form of water available.



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89. Write one importance of water for living organisms.



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90. Write one cause of pollution of water in town.



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91. What is soil?



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92. What is the role of sun in the formation of soil?





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93. What is the role of wind in soil formation?



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94. What is soil erosion?



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95. What is the importance of soil ?





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96. How is soil formed?



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97. What are three kinds of water sources ?



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98. Write one advantage of sea water.





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99. What are the two types of water resources ?



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100. What are the sources of fresh water?



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101. What do you understand by aquatic habitat ?



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102. How much percent of nitrogen is present in atmosphere ?



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103. How is nitrogen used in living organisms.



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104. Name two plants which are capable of fixing atmospheric nitrogen.



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105. Write two uses of mirco-organisms.



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106. Name any two natural cycles operating in nature.



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107. Name the gaseous components of biosphere.



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108. Name the source of energy for the process of photosynthesis.



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109. Define biomass.



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110. Name two nitrifying bacteria.



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111. Define pollution.



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112. What are pollutants ?



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113. What are the three major types of pollution ?



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114. What is soil pollution?



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115. Which part of solar radiation is absorbed by ozone layer ?



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116. Name the major surface water pollutant from farm run-off and bathroom water.



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117. Give the source of pathgens into water.



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118. What is the source of aerosols ?



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119. Which term is used for pollutants that are degraded by natural means ?



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120. How can SO_2 pollution of air be checked?



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121. Mention the regions where rainfall is highest and lowest in India.



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