



BIOLOGY

NCERT - NCERT Biology(Telugu)

NOT FOR BREATHING NOT FOR DRINKING

Example

1. How does air pollution lead to water pollution?



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2. Which causes water pollution?



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3. Why does the increased level of nutrients in the water affect the survival of aquatic organisms?



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4. Road side plants cannot grow properly. Find your own reasons and explain with your argument.



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5. Define the terms pollution and pollutants.



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6. What are the types in pollution?





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7. List the gases that you know present in the air.



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8. What are the four major gases in the air?



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9. What are the four major gases in the air?



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10. What are the different type of pollutants?



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11. What are the activities, which cause pollutions?



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12. Name the fuels we burnt in our daily activities including rural and urban areas.



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13. What are the pollutants released by vehicles?



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14. What are pollutants released by industries?



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15. Name some industrial areas and the pollutant in that areas.



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16. What are the problems in Nuclear power plants?



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17. Write about the chernobyl incident.



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18. Man made sources of air pollution are ?



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19. What are CFCs?



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20. Write some pollutants and their sources.



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21. Why the secondary pollutants called as so?



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22. Write about Bhopal leakage of gas.



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23. What are the effects by air pollution?



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24. What is 3R principle? Where is it used?



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25. Sudheer is a traffic constable. What do you think about his health? Give some suggestions to protect his health during duty period.



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26. Why there is a need of pollution under control certificate?



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27. What will happen if harmful organisms or substances enter your body? How do you feel?



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28. How the air pollution is not a local concern?



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29. When we go on a busy road, feel uneasy even when we close nose with a napkin.

Why these symptoms we observe?



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30. When we go on a busy road, feel uneasy even when we close nose with a napkin.

If these symptoms will continue, what happens?



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31. Do oil paper experiments at three different locations and answer the following questions

Where do you hang these oil dipped papers?



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32. Do oil paper experiments at three different locations and answer the following questions

What do you found on those papers dipped in oil?



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33. Do oil paper experiments at three different locations and answer the following questions
Is there any difference observed for all these three locations?



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34. Find out the odd one



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35. Do you know where the dust particles could have come from?



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36. Visit near by factory (or) industry present in your area and answer the following.



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37. What way industries are polluting air and water?



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38. Is there any green belt around factory?

Name the trees they are growing.



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39. Which type of precautions should be taken to prevent pollution?



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40. How do you observe the pollutants in local available water samples?



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41. Write a short note on the effects of water pollution in your village suggest precautions.



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42. Visit a pollution check centre. Observe the process of conducting a pollution check and record your findings. You may consider the following areas for your record.

Average number of vehicles checked in a certain time period.





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43. Visit a pollution check centre. Observe the process of conducting a pollution check and record your findings. You may consider the following areas for your record.

Time taken to check each vehicle.



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44. Visit a pollution check centre. Observe the process of conducting a pollution check and

record your findings. You may consider the following areas for your record.

Pollutants checked for.



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45. Visit a pollution check centre. Observe the process of conducting a pollution check and record your findings. You may consider the following areas for your record.

The process of testing, permissible limits of emission of various pollutants.



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46. Visit a pollution check centre. Observe the process of conducting a pollution check and record your findings. You may consider the following areas for your record.

Measures taken if the emitted gases are above the permissible limits.



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47. Observe this pollution certificate, try to find out the answers for following questions.

Which department issues the pollution under control certificate?



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48. Observe this pollution certificate, try to find out the answers for following questions.

For how much time is it valid?



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49. Observe this pollution certificate, try to find out the answers for following questions.

For which type of vehicle has it been issued?



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50. Observe this pollution certificate, try to find out the answers for following questions.

What is emission test? What components are tested in the pollution check up center?



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51. Observe this pollution certificate, try to find out the answers for following questions.

What will happen if carbon monoxide and hydrocarbons readings are higher than the permissible limit readings.



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52. Collect the information from your school library for natural disasters in the world.



53. Read the following news clipping and answer the questions.

ఇక.. విష(మ)మే!

భూగర్భం విషతుల్యం..

దేశీయ వ్యవసాయ కార్యక్రమాల అభివృద్ధికి అవకాశం కల్పించేందుకు భూగర్భం విషతుల్యం చేయాలని కేంద్ర ప్రభుత్వం ఆదేశించింది. దేశీయ వ్యవసాయ కార్యక్రమాల అభివృద్ధికి అవకాశం కల్పించేందుకు భూగర్భం విషతుల్యం చేయాలని కేంద్ర ప్రభుత్వం ఆదేశించింది. దేశీయ వ్యవసాయ కార్యక్రమాల అభివృద్ధికి అవకాశం కల్పించేందుకు భూగర్భం విషతుల్యం చేయాలని కేంద్ర ప్రభుత్వం ఆదేశించింది.

కారణం ఏమిట అంటే పాత కార్మికులు విషానికి గురికావడం వల్ల వారి ఆరోగ్యం దeteriorating అవుతోంది. దేశీయ వ్యవసాయ కార్యక్రమాల అభివృద్ధికి అవకాశం కల్పించేందుకు భూగర్భం విషతుల్యం చేయాలని కేంద్ర ప్రభుత్వం ఆదేశించింది.



కాంట్రీ ఫిజికల్ ఫిజికల్ ఫిజికల్
అంటే భూగర్భం

విషానికి గురికావడం వల్ల వారి ఆరోగ్యం దeteriorating అవుతోంది. దేశీయ వ్యవసాయ కార్యక్రమాల అభివృద్ధికి అవకాశం కల్పించేందుకు భూగర్భం విషతుల్యం చేయాలని కేంద్ర ప్రభుత్వం ఆదేశించింది.

How does the problem arise?



54. Collect the information about aerobic bacteria.



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55. What is air pollution ? Make a flow chart to describe its causes and effects.



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56. Show the composition of air diagrammatically.



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57. Clear and transparent water is always suitable for drinking. Comment.



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58. If our monument like Tajmahal is effected by air pollution, what is your adivce protect it?



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59. Suggest some measures to control soil pollution.



Watch Video Solution

60. If our monument like Tajmahal is effected by air pollution, what is your adivce protect it?



Watch Video Solution

61. Suggest some measures to control soil pollution.



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62. To conduct a quiz program on air and water pollution, prepare five thought provoking questions.



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63. How do you appreciate the role of trees in preventing the pollution?



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64. Use Bicycle - Avoid motor bikes and cars'.

This slogan is prepared by Sravani. Prepare some more slogans on pollution.



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65. If you are a general manager of a chemical industry what precautions would you take to control air and water pollution?



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66. How to minimize the usage of paper in daily life?



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67. If a person burnt out tires or dried leaves at a particular place, where shall the smoke and ash goes?



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68. What are the Supreme court suggestions to save the Patancheru?



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69. In what way oil spills is dangerous to aquatic life?



Watch Video Solution

70. Visit your nearby pond/lake or river and find out the material being discharged in it. Prepare a biography on it.



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71. Ask your teacher about aerobic bacteria and write a note on it with some examples.



Watch Video Solution

72. In what way oil spills is dangerous to aquatic life?



Watch Video Solution

73. List the gases that you know present in the air.



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74. What are the four major gases in the air?



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75. Draw a neat diagram showing the composition of air in the atmosphere and write the percentage of gases.



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76. List out some human activities which altered the communities of plants and animals in their natural ecosystem.





[Watch Video Solution](#)

77. What is emission test?



[Watch Video Solution](#)

78. What is the effect of rapid increase in the number of vehicles?



[Watch Video Solution](#)

79. When do all the living organisms with in the environment will be healthy and thriving?



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80. What do you understand about the terms endangered



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81. Name some substances which impact the health of our earth.



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82. Which is the essential element for survival of all living organisms?



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83. List the gases that you know present in the air.



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84. Name the main pollutants in the atmosphere.



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85. What is the problem with airborne pollutants?



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86. What gas is released from Bacterial decay of organic matter?



Watch Video Solution

87. How do pollen grains pollute the air?



[Watch Video Solution](#)

88. What are the pollutants released by vehicles?



[Watch Video Solution](#)

89. Name various industries that pollute the air.



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90. What are the problems face by the people living near the granite factory?



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91. What are meltdowns?



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92. How do Nuclear power plants produce power?





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93. If forests reduce what would happen?



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94. What did the Archeological department of India declared towards Taj Mahal?



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95. What is the reason for the tragedy of Bhopal?



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96. What steps can be taken to reduce pollution due to particulate matter from industries?



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97. Name one of the most polluted area in India.



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98. Water pollution



Watch Video Solution

99. What is identifiable point source of pollution?



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100. How is heat polluting water?



[Watch Video Solution](#)

101. How is fluorine hazardous substance to ground water?



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102. When we go on a busy road in the evening a lot of smoke is spread in the surroundings. We get cough and feel uneasy even when we close the nose with napkins.

Why this type of symptoms we observe? Think about it.

If these symptoms will continue, what happens?



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103. When we go on a busy road, feel uneasy even when we close nose with a napkin.

If these symptoms will continue, what happens?



Watch Video Solution

104. Do you find any relation between pH and hardness of water?



Watch Video Solution

105. Which water sample is colourless?



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106. How much water is required for drinking ?



Watch Video Solution

107. Do you find any change in colour and smell of water in some water samples? What are your reasons?





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108. Which of the following is basic in nature ?



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109. How do you observe the pollutants in local available water samples?



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110. Suggest some measures to control soil pollution.



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111. Road side plants cannot grow properly. Find your own reasons and explain with your argument.



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112. Write a short note on the effects of water pollution in your village suggest precautions.



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113. How do you appreciate the role of trees in preventing the pollution?



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114. Sudheer is a traffic constable. What do you think about his health? Give some suggestions to protect his health during duty period.



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115. Motor vehicles act in

A. 1988

B. 1989

C. 1986

D. 1987

Answer:



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116. Chimakurthy has

A. Limestone factories

B. Cement factories

C. Granite factories

D. Power plants

Answer:



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117. Nuclear power plants release

- A. Chemical
- B. Radioactive waste
- C. Dust
- D. Dioxides

Answer:



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118. Forests are.

A. 0.2

B. 0.18

C. 0.21

D. 0.19

Answer:



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119. CFC pollutes effects on

A. Land

B. water

C. Ozone

D. Air

Answer:



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120. Date of the Bhopal gas incident is

A. 2nd Dec 1985

B. 3rd Nov. 1986

C. 2nd Dec. 1984

D. 3rd Nov 1987

Answer:



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121. Lead oxide acts on

- A. Nervous system
- B. Respiratory system
- C. Transport system
- D. Reproductive system

Answer:



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122. We must use the petrol, which has no

A. Lead

B. Mercury

C. Carbon

D. Hydrocarbon

Answer:



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123. Fertilizers and pesticides causes mainly

- A. Air pollution
- B. Water pollution
- C. Soil pollution
- D. Thermal pollution

Answer:



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124. Plants use Carbon dioxide for the process of

A. Photosynthesis

B. Respiration

C. Transport

D. Transpiration

Answer:



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125. Which pollutant tarnishes silver objects.

A. CO

B. CO_2

C. H_2S

D. H_2SO_4

Answer:



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126. Cleaner fuel is

A. CNG

B. Petrol

C. Coal

D. Diesel

Answer:



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Think And Discuss

1. If a person burnt out tires or dried leaves at a particular place, where shall the smoke and ash goes?



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2. When we go on a busy road in the evening a lot of smoke is spread in the surroundings. We get cough and feel uneasy even when we close the nose with napkins.

Why this type of symptoms we observe? Think

about it.

If these symptoms will continue, what happens?



[Watch Video Solution](#)

3. When we go on a busy road in the evening a lot of smoke is spread in the surroundings. We get cough and feel uneasy even when we close the nose with napkins.

Why this type of symptoms we observe? Think about it.

If these symptoms will continue, what happens?



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4. Do you find any relation between pH and hardness of water?



Watch Video Solution

5. Which water sample is colourless?



Watch Video Solution

6. Which water sample is suitable for drinking and why ?



[Watch Video Solution](#)

7. Do you find any change in colour and smell of water in some water samples? What are your reasons?



[Watch Video Solution](#)

8. Which water sample of your collection is basic in nature ?

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9. Are there any visible pollutants in the water sample ?

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[Improve Your Learning](#)

1. How does air pollution lead to water pollution?



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2. What steps can be taken up to control air pollution and water pollution? (AS 1)



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3. Why does the increased level of nutrients in the water affect the survival of aquatic

organisms?



Watch Video Solution

4. Road side plants cannot grow properly. Find your own reasons and explain with your argument.



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5. Sudheer is a traffic constable. What do you think about his health? Give some suggestions

to protect his health during duty period.



Watch Video Solution

6. Write a short note on the effects of water pollution in your village suggest precautions.



Watch Video Solution

7. Visit a pollution check centre. Observe the process of conducting a pollution check and record your findings. You may consider the

following areas for your record.

Average number of vehicles checked in a certain time period.



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8. Organize a field visit to a pond / lake / river present in or near to your village with the help of your teachers. (AS 4) Observations followed by discussion could focus on... The history of the pond or lake or river, Water resources available other than that river/ pond/ or lake,

Cultural traditions, Pollution concerns, Source of pollution, Effects of pollution on the people living by the river side as well as those living far away



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9. What is air pollution ? Make a flow chart to describe its causes and effects.



Watch Video Solution

10. Clear and transparent water is always suitable for drinking. Comment.



Watch Video Solution

11. If our monument like Tajmahal is effected by air pollution, what is your adivce protect it?



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12. Reshma going to talk about controlling measures of soil pollution. Please prepare write up for her. (AS 6)



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This slogan is prepared by Sravani. Prepare some more slogans on pollution.



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16. How to minimize the usage of paper in daily life?



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