



BIOLOGY

BOOKS - LAKHMIR SINGH & MANJIT KAUR

WATER : A PRECIOUS RESOURCE

Exercise

1. Name the three forms of water in which it circulates in nature during the water cycle.



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2. Name solid form of water.



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3. Name gaseous form of water.



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4. Name the technique of watering plants which minimises the wastage of water.



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5. State whether the following statements are true or false:

Water table is constant at every place on the earth.



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6. State whether the following statements are true or false:

Water from the rivers is the only source for irrigation in the fields.



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7. State whether the following statements are true or false:

Rain is the ultimate source of water.



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8. State whether the following statements are true or false:

The freshwater stored in the ground is much more than that present in the rivers and lakes of the world.



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9. State whether the following statements are true or false:

The water-bearing layer of the earth is called water table.



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10. Name the most important factor responsible for the uneven distribution of water in various parts of the earth.



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11. Name the ancient structures for water storage and water recharge in India which are being revived now.



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12. What is the water-bearing layer of the earth known as?



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13. What is the main source of groundwater?



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14. Which natural process continuously converts some of the saline sea water into freshwater?



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15. What is the minimum amount of water per person per day recommended by the United Nations for drinking, washing, cooking and maintaining proper hygiene?



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16. There are ten tube wells in a lane of fifty houses. What could be the long term impact on the water table?



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17. Fill in the following blanks with suitable words:

Three forms of water are,..... And



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18. Fill in the following blanks with suitable words:

About Per cent of the earth's surface is covered with water.

A. 71

B. 74

C. 73

D. 72

Answer: A



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19. The process of water seepage into the ground is called _____ .



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20. Fill in the following blanks with suitable words:

People obtain groundwater through And



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21. Fill in the following blanks with suitable words:

The water-bearing layer of the earth is called

....

A. aquifer

B. infiltration

C. subsoil

D. None of the above

Answer: A



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22. Fill in the following blanks with suitable words:

The water found below the water table is called....

A. aquifer

B. infiltration

C. groundwater

D. None of the above

Answer: C



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23. Fill in the following blanks with suitable words:

A tube-well draws underground water contained in an



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24. Fill in the following blanks with suitable words:

Bawri was the traditional way of collecting





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25. Fill in the following blanks with suitable words:

If a person is living in an area having sufficient rainfall and yet there is shortage of water, it is due to theof water resources.



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26. Fill in the following blanks with suitable words:

The rainwater can be used to....the groundwater.



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27. Fill in the following blanks with suitable words:

The best way to overcome shortage of water is
.....



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28. Fill in the following blanks with suitable words:

Leaking Is a source of huge water wastage.



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29. Explain why does Earth appears blue-green from the space?



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30. What is meant by 'water table' ? Name one factor which raises water table.



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31. What are the various factors which affect water table (or deplete water table)?



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32. What is an aquifer ? What is the upper level of aquifer known as ?



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33. What is groundwater ? Name the main source of groundwater.



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34. What is meant by 'drip irrigation' ? What is its advantage ?



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35. What will happen if potted plants are not watered even for a few days ?



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36. What will be the effect of water scarcity on plants ?



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37. State the various ways in which we produce sewage in our homes ?



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38. You have been asked to maintain a garden. How will you minimise the use of water for the irrigation of plants in the garden ?



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39. Explain how ground water is recharged.



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40. Draw a labelled sketch showing the water table, groundwater and aquifer.



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41. When is the World Water Day celebrated ?

Why is it celebrated?



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42. Describe the mismanagement of water :
at the level of Water Supply Department.



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43. Describe the mismanagement of water :
at the individual level.



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44. Describe any two steps which can be taken for the proper management of water.



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45. Describe how the increasing population is responsible for the depletion of water table.



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46. Explain how the increasing industrial activities are causing the depletion of water table.



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47. How are the agricultural activities responsible for the depletion of water table ?



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48. Which one of the following is not responsible for water shortage?

A. rapid growth of industries

B. increasing population

C. heavy rainfall

D. mismanagement of water resources

Answer: C



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49. The total water:

A. in the lakes and rivers of the world

remains constant

B. under the ground remains constant

C. in the seas and oceans of the world

remains constant

D. of the world remains constant

Answer: D



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50. Which of the following is not an effect of acute scarcity of water on plants ?

- A. shortage of food
- B. shortage of oxygen
- C. shortage of carbon dioxide
- D. shortage of rainfall

Answer: C



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51. The minimum amount of water recommended by the United Nations per person per day is :

A. 25L

B. 50L

C. 75L

D. 40L

Answer: B



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52. Fill in the following blanks with suitable words:

The water-bearing layer of the earth is called

A. conifer

B. hydrosphere

C. aquifer

D. water table

Answer: C



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53. Which of the following processes will be affected due to water scarcity on plants ?

A. Evaporation,A and B

B. Photosynthesis,B and C

C. Respiration,A and C

D. Transpiration,B and D

Answer: D



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54. Water which falls from the clouds as rain or snow is called :

A. condensation

B. precipitation

C. infiltration

D. transpiration

Answer: B



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55. Check-dams were built on the river Rukmavati and its tributaries in Gujarat mainly to :

- A. generate hydropower
- B. grow paddy crop
- C. provide water to wild animals
- D. recharge groundwater

Answer: D



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56. What percentage of the earth's surface is covered with water ?

A. about 51 per cent

B. about 21 per cent

C. about 71 per cent

D. about 81 per cent

Answer: C



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57. Which of the following does not decline the water table at a place ?

A. increasing number of tube-wells

B. increasing deforestation

C. scanty rainfall

D. increasing snowfall

Answer: D



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58. The important terms connected with the water cycle in nature are given below in the jumbled form:

Write this terms in readable form.

rudgon rawet



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59. The important terms connected with the water cycle in nature are given below in the jumbled form:

Write this terms in readable form.

atooniaervp



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60. The important terms connected with the water cycle in nature are given below in the jumbled form:

Write this terms in readable form.

acestoonnid



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61. The important terms connected with the water cycle in nature are given below in the jumbled form:

Write this terms in readable form.

duclos



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62. The important terms connected with the water cycle in nature are given below in the jumbled form:

Write this terms in readable form.

tspratniaoinr



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63. The important terms connected with the water cycle in nature are given below in the jumbled form:

Write this terms in readable form.

aitfnlronit



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64. The important terms connected with the water cycle in nature are given below in the jumbled form:

Write these terms in readable form.

ntciepirtaipo



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65. The area A in India gets an average annual rainfall of 49 cm whereas another area B receives an average annual rainfall of 280

cm. Which area could be (a) Assam, and (b) Rajasthan?



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66. Water circulates in three forms, solid, liquid and gas, during the water cycle in nature. Where is water present naturally in solid form?



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67. Water circulates in three forms, solid, liquid and gas, during the water cycle in nature. Where is water present naturally: in liquid form?



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68. Water circulates in three forms, solid, liquid and gas, during the water cycle in nature. Where is water present naturally: in gaseous form?





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69. The substance W is necessary for the normal growth and development of all types of plants and animals. An acute scarcity of substance W has an ill effect on plants which can hinder the natural process X in plants causing a severe shortage of Y leading to famine. It may also lead to the shortage of Z which is essential for breathing and respiration. What could W , Y and Z be?



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70. The water bearing layer of the earth called P is made up of two components Q and R in which water collects under the ground. The top level of layer P is called S. When too many tube-wells are used in an area, the level of S in that area goes down. What are P, Q, R and S?



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