



BIOLOGY

BOOKS - SURA BIOLOGY (TAMIL ENGLISH)

WATER

Example

1. Around 97% of water available on earth is ___ water.

A. fresh

B. pure

C. Salty

D. polluted

Answer:



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2. Which of the following is not a part of water cycle?

- A. evaporation
- B. condensation
- C. rain
- D. distillation

Answer:



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3. Which of the following processes add water vapour to the atmosphere?

A. Transpiration

B. Precipitation

C. Condensation

D. Evaporation

Answer:



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4. About 30% of the fresh water is found in?



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5. Using R.O. plant at home eliminates a lot of non-potable water. The best way to effectively use the expelled water of R.O.plant is _____

A. make the expelled water go and seep

near the bore well

B. use it for watering plants

C. to drink the expelled water after boiling

and cooling

D. to use for cooking as the water is full of
many nutrients

Answer:



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6. Only ___percent of natural water is available
for human consumption.



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7. The process of changing water into its vapour is called ___.



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8. ___ is built on rivers to regulate water flow and distribute water.



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9. Water levels in rivers increase greatly during_____.



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10. Water cycle is also called as_____.



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11. True or False.If False, give the correct statement: Water present in rivers, lakes and

ponds is unfit for use by human beings.



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12. True or False.If False, give the correct statement: Seas are formed when the water table meets the land surface.



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13. True or False.If False, give the correct statement: The evaporation of water takes

place only in sunlight.



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14. True or False.If False, give the correct statement: Condensation results in the formation of dew on grass.



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15. True or False.If False, give the correct statement: Sea water can be used for

irrigation as such.



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16. Match the following:

1. Flood	Lake
2. Surface water	Evaporation
3. Sun light	Water vapour
4. Cloud	Pole
5. Frozen water	Increased rain fall



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17. Arrange the following statements in correct sequence:

1. These vapours condense to form tiny droplets of water.
2. The water droplets come together to form large water droplets.
3. The heat of the sun causes evaporation of water from the surface of the earth, oceans, lakes, rivers and other water bodies.
4. The large water droplets become heavy and the air cannot hold them, therefore, they fall as rains.
5. Water vapour is also continuously added to the atmosphere through transpiration from the surface of the leaves of trees.

6. Warm air carrying clouds rises up.

7. Higher up in the atmosphere, the air is cool.

8. These droplets floating in the air along with the dust particles form clouds.



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18. What are the reasons for scarcity of water?



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19. Every year, March 22nd is observed as _____.



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20. What is an estuary?



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21. How is the total available fresh water distributed?



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22. What is a swamp?



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23. Name three types of natural sources of fresh water on Earth.



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24. By which natural process, water gets renewed?



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25. Analogy: Population explosion :water scarcity::Recycle:___



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26. Analogy: Surface water:river::Frozen water:



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27. Name four different sources of water.



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28. How do people in cities and rural areas get water for various purposes?



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29. Take out of cooled bottle of water from refrigerator and keep it on a table. After some time you notice a puddle of water around it. Why?



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30. We could see clouds almost every day. Why doesn't it rain daily?





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31. Name the places where water is found as ice.



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32. How do aquatic animals manage to live in Arctic and Antarctic Circle?



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33. What are the types of rain water harvesting?



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34. Differentiate between surface water and ground water.



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35. Write a few slogans of your own on the topic "SAVE WATER".



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36. About 71% of earth's surface is covered with water, then why do we face scarcity of water?



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37. Give reason for the following statement-
Sewage should not be disposed of in rivers or oceans before treatment.



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38. The fresh water available on earth is only 3%. We cannot increase the amount of water. In that case, how can we sustain the water level?



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39. What is potable water? List down its characteristics.



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40. Who is known as Waterman of India? Find the details about the award, the waterman received for water management.



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41. What is rainwater harvesting? Explain in a few sentences how is it useful in in houses.



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42. When there is no pond or lake in an area, will there be formation of clouds possible in that area?



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43. To clean the spectacles, people often breathe out on glasses to make them wet. Explain why do the glasses become wet.



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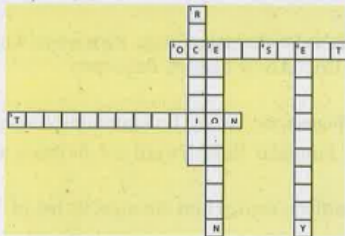
44. CROSSWORD:

DOWN

1. A method of water conservation.
2. Process of getting water vapour from sea water.
6. Water stored in dams is used for generation of _____.

ACROSS

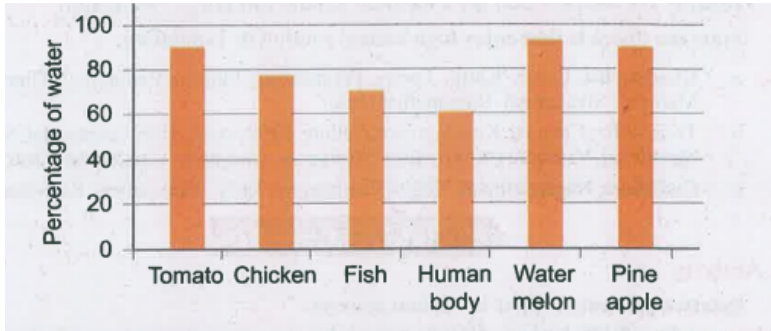
3. _____ is a large body of non-potable water found in nature.
4. In summer, the body loses water as _____.
5. Plants undergo _____ and contribute to water cycle.



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45. Observe the given graph carefully and answer the questions. What percentage of

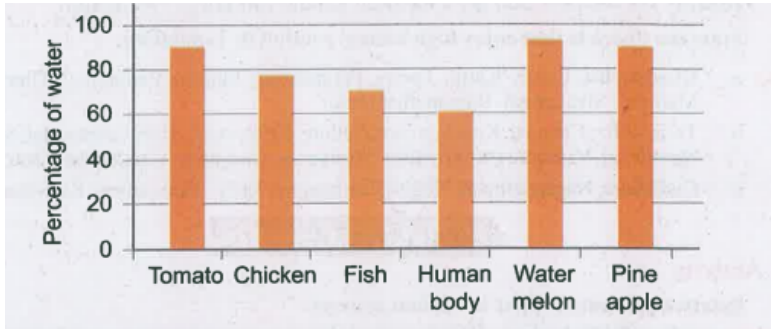
water is seen in fish?



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46. Observe the given graph carefully and answer the questions. Name the food item that has minimum amount of water in its

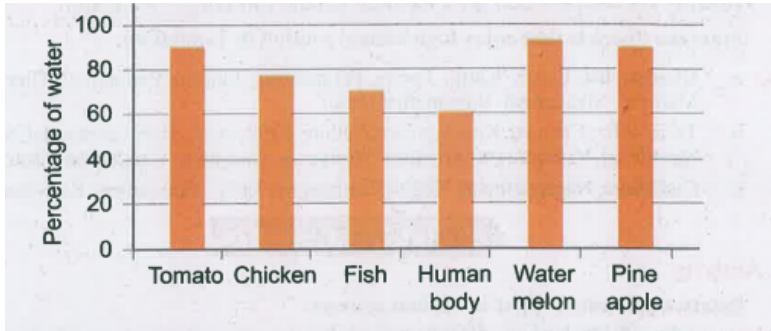
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47. Observe the given graph carefully and answer the questions. Name the food item that has maximum amount of water in its

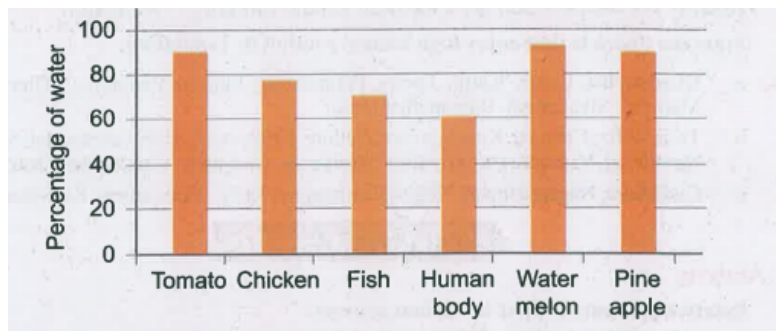
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48. Observe the given graph carefully and answer the questions. Human body consists of

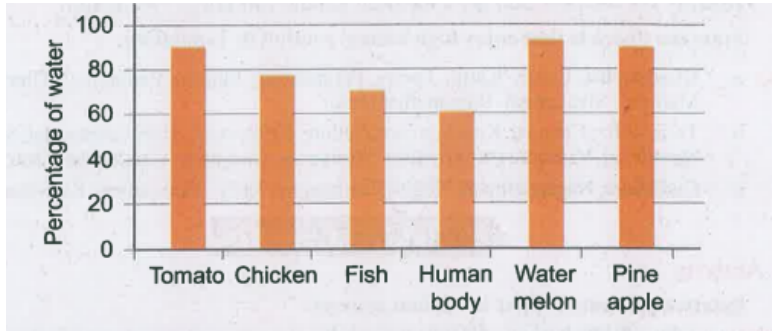
about ___percentage of water.



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49. Observe the given graph carefully and answer the questions. Specify the food item that can be consumed by a person when

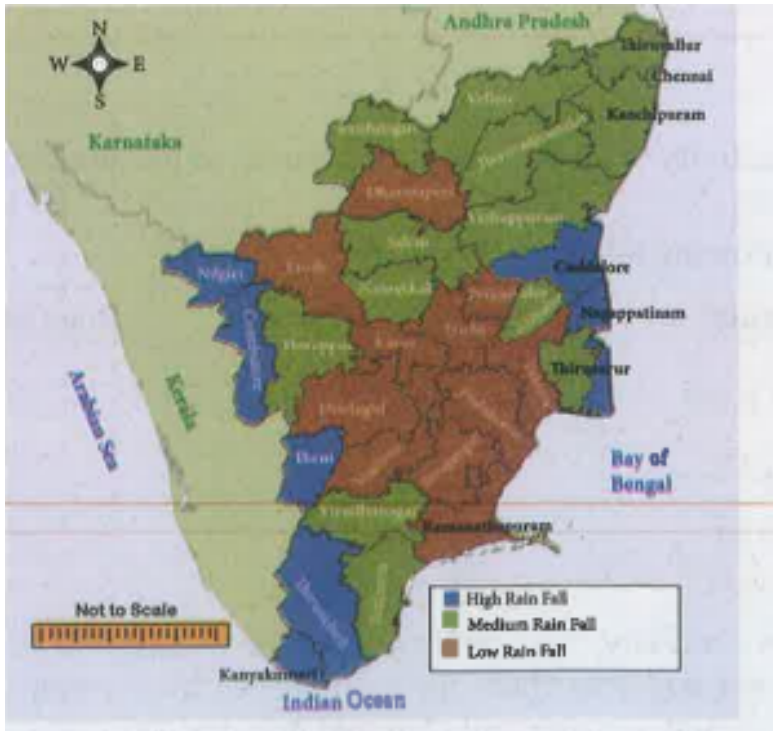
he/she is suffering from dehydration.



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50. Look at the map of Tamilnadu showing annual rainfall and answer the questions given below. Identify the districts that get only low

52. Look at the map of Tamilnadu showing annual rainfall and answer the questions given below.



State the districts that enjoy high annual rainfall in Tamilnadu.



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53. ___ form of water is present in mountain and polar region.

A. Solid

B. Liquid

C. Gaseous

D. All these

Answer:



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54. Can we drink the water available in the sea?



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55. _____ water contains 0.05% to 1% of salts.

A. Brackish

B. Fresh

C. Sea

D. Sewage

Answer:



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56. Water from oceans, lakes, ponds and rivers evaporates due to the heat of ____.

A. Sun

B. Pressure

C. Atmosphere

D. None of these

Answer:



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57. In plant, the loss of water in the form of vapour from the aerial parts through ____.

A. Root

B. Shoot

C. Stomatal Pores

D. Fruit

Answer:



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58. _____ water is obtained through open wells, tube wells or hand pumps, springs,

A. Surface

B. Frozen

C. Saline

D. Ground

Answer:



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59. _____ of Asia's largest rivers flow from the Himalayas.

A. 10

B. 9

C. 11

D. 15

Answer:



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60. Volume of liquid is measured by_____.

A. Gallon

B. Litre

C. Cusec

D. All the above

Answer:



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61. ____ forests are found in Pichavaram near Chidambaram.

A. Green

B. Grass lands

C. Mangrove

D. Estuaries

Answer:



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62. ___ plays a vital role in the evolution and survival of life.



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63. ___ is present in the air around us.



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64. In the distribution of total 0.3% of surface water, _____ have 87% surface water.



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65. The distribution of total 0.3% of surface water is as _____.



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66. The oceanic volcanoes which are present inside also add ___ to the sea.



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67. What is saline water?



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68. The water vapour gets cooled and changes into tiny water droplets that form ___ in the

sky.



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69. A larger portion of water is ____% of the total available fresh water in frozen state.



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70. Water level in the reservoirs is measured in ____.



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71. Adoption of ___ and ___ irrigation in agriculture.



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72. True or False.if False,give the correct statement: Mountains help to regulate the temperature of our earth



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73. True or False.if False,give the correct statement: Solid form of water is present in underground.



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74. True or False.if False,give the correct statement: Water while passing through layers of soil dissolves salt and minerals to a maximum extent.



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75. True or False.if False,give the correct statement: Water freeze at $100^{\circ}C$ celsius at normal pressure.



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76. True or False.if False,give the correct statement: When the air around the clouds is cool, these drops of water fall in the form of snow or rain.



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77. True or False.if False,give the correct statement: Direct collection and use of rain water is called rain water harvesting.



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78. True or False.if False,give the correct statement: Estuaries are harmful to unique plants and animal species.



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79. Analogy: Ice berg: Solid form :: water vapour: _____



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80. Analogy: Contain more than 3% of salt: _____ :: upto 3% of salt dissolved: Brackish water.



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81. Analogy: Water bodies meet the sea:Estuaries:: Wet lands:_____



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82. How water is classified based on its salinity?



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83. Give the uses of water.



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84. What are the three forms of water?



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85. Which places have fresh water?



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86. How is 3% of fresh water distributed?



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87. Define-Saline water.



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88. How water is classified based on its salinity?



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89. What are the salts dissolved in sea water?



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90. Define- water cycle.



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91. What is Condensation?



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92. What is transpiration?



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93. What is frozen water?



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94. Define-Scarcity of water.



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95. List some swamps in Tamilnadu.



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96. What is meant by conservation of water?



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97. Draw and describe the total water on earth by pie chart.



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98. How water is conserved by water management method?



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99. Give the importance of water in human body.



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100. Describe water distribution and treatment system through flow chart.



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101. What are the reasons for scarcity of water?



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Exercise

1. Around 97% of water available on earth is ___ water.

A. Fresh

B. Pure

C. Satly

D. polluted

Answer:



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2. About 30% of the fresh water is found in?

A. glaciers

B. ground water

C. other sources of water

D. 0.3 %

Answer:



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3. _____ is a transparent, tasteless, odourless, chemical substance.



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4. Water released from dams is measured in _____.

A. Gallon

B. Litre

C. Cusec

D. All of the above

Answer:



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5. Water cycle is also called as ____.



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6. The molecular formula of water is ____.



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7. Every year ___ is observed as the world water day.



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8. Find whether the following sentences are true or false. If false correct the statement.
Seas are formed when the watertable meets the land surface.



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9. True or False.If False, give the correct statement: Sea water can be used for irrigation as such.



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10. True or False.if False,give the correct statement: When the air around the clouds is cool, these drops of water fall in the form of snow or rain.



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11. Match the following.

1. Flood	a. Lake
2. Surface water	b. Evaporation
3. Sun light	c. Pole
4. Frozen water	d. Increased rain fall



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12. Anology: Ground water: _____ Surface water:
Lake.



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13. Napier Bridge area: _____::Pallikaranai: Wet land.



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14. Name the places where water is found as ice.



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15. Differentiate between surface water and ground water.



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16. Which places have fresh water?



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17. What are the salts dissolved in sea water?



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18. List any two wet-land in Tamilnadu.



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19. Give the importance of water in human body.



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20. What is rainwater harvesting? Explain in a few sentences how it can be used in houses.



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