



# 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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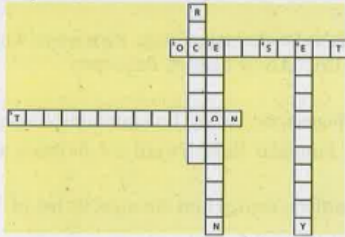
## 44. CROSSWORD:

### 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

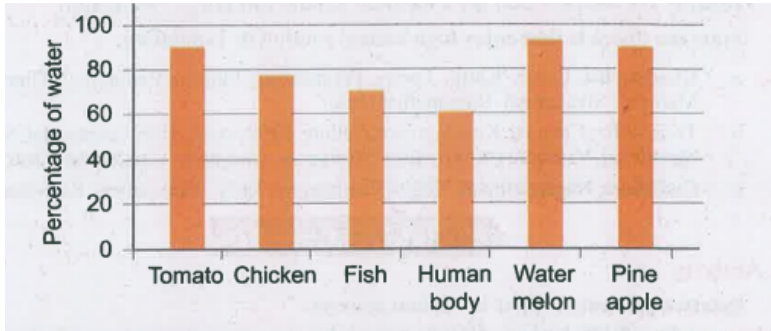
3. \_\_\_\_\_ is a large body of non-potable water found in nature.
4. In summer, the body loses water as \_\_\_\_\_.
5. Plants undergo \_\_\_\_\_ and contribute to water cycle.



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

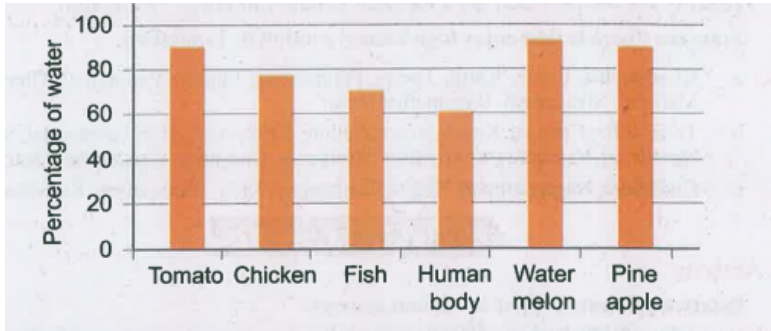
water is seen in fish?



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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

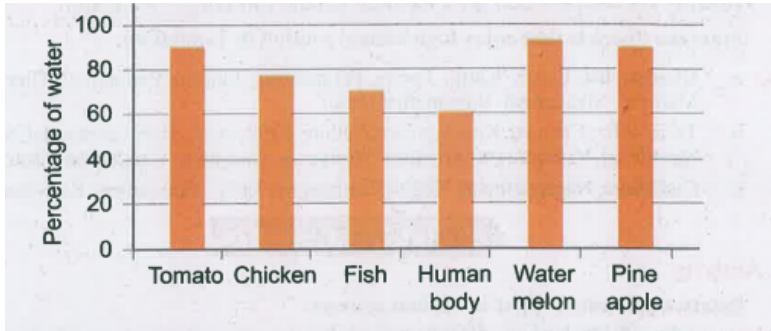
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**47.** Observe the given graph carefully and answer the questions. Name the food item that has maximum amount of water in its

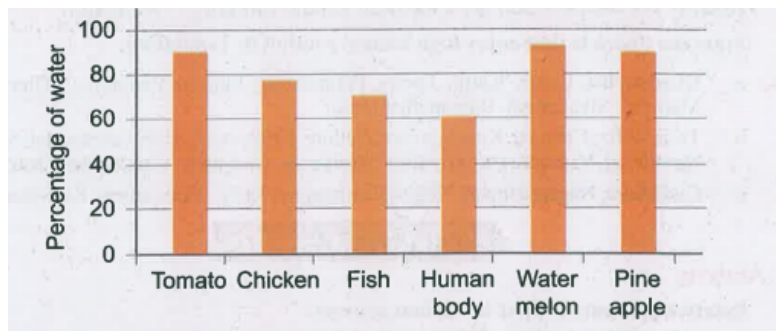
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**48.** Observe the given graph carefully and answer the questions. Human body consists of

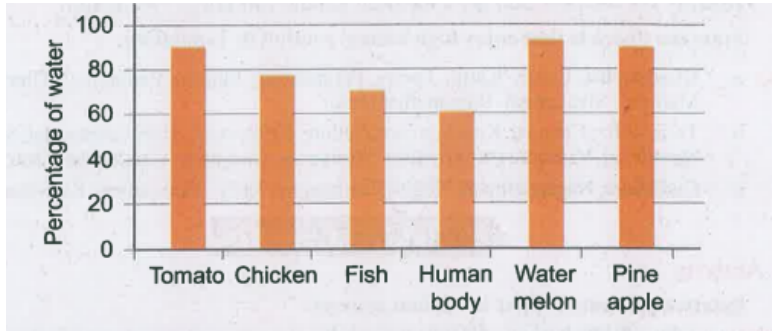
about \_\_\_percentage of water.



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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











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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.



[Watch Video Solution](#)

**88.** How water is classified based on its salinity?



[Watch Video Solution](#)

**89.** What are the salts dissolved in sea water?



**Watch Video Solution**

**90.** Define- water cycle.



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**91.** What is Condensation?



**Watch Video Solution**

**92.** What is transpiration?



**Watch Video Solution**

**93.** What is frozen water?



**Watch Video Solution**

**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.



**Watch Video Solution**

**15.** Differentiate between surface water and ground water.



**Watch Video Solution**

**16.** Which places have fresh water?



**Watch Video Solution**

**17.** What are the salts dissolved in sea water?



**Watch Video Solution**

**18.** List any two wet-land in Tamilnadu.



**Watch Video Solution**

**19.** Give the importance of water in human body.



**Watch Video Solution**

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



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