



## BIOLOGY

### NCERT - NCERT Biology(TELUGU)

#### Water Too Little To Waste

#### Example

1. Fill in the Blanks and give reasons:Cleaning of water is a process of removing\_\_\_\_\_



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2. Fill in the Blanks and give reasons:Waste water released by houses is called



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3. Fill in the Blanks and give reasons:Dried \_\_\_\_\_ is used as a manure.



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4. Fill in the Blanks and give reasons:Drains get blocked by\_\_\_\_\_and\_\_\_\_\_



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5. What is sewage ? Explain why it is harmful to discharge untreated sewage into rivers or seas?



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**6.** Describe the steps involved in getting clarified water from waste water.



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**7.** What is sludge? Explain how it is treated?



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**8.** Untreated human excreta is a health hazard.

Explain.



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**9.** Name two chemicals used to disinfect the water.



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**10.** Explain the function of bar screens in a waste water treatment plant.



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**11.** Explain the relationship between sanitation and disease.



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**12.** Outline your role as an active citizen in relation to sanitation.



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**13.** Prepare at least 5 slogans on "Don't waste water.



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**14.** Have you got any doubt about disease caused by untreated water? List them.



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**15.** If you see water running off from a public tap, what would you do about it?



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**16.** Go to a nearby railway station/bus station/hospital/industry. What type of sewage is released? List out where and how.



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**17.** Make a write up for your activity project on preservation of rain water.



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**18.** Is there a check dam or any other water conservation unit in your village? Write a note on it.



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**19.** Why should oils and fats not be released into the drain? Explain.



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**20.** What would happen if there are no microbes that break down wastes in sewage?



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**21.** What would you do to motivate people in your street to utilise toilets?



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**22.** What points would you like to address in the letter for you panchayat officer about drainage system in your village/town?



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**23.** Fresh water is scarce. What is your contribution to make your family members aware of the need to save water?



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**24.** Write the importance of water.



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**25.** 70% of the earth is covered with water. Yet what is the cause for shortage of water?



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**26.** What steps are to be taken for prevention of water pollution?



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**27.** What is decade of water conservation? On which day is the would water day declared?



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**28.** Write the percentage of different water resources available on the earth.



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**29.** What are the contaminants of sewage?

Classify them.



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**30.** Draw a pie diagram based on the percentage of water resources on the earth given below. Oceanic water 97%, Glaciers and polar region 2%, Ground water, lakes and rivers and other fresh water bodies.



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**31.** Draw a flow chart showing different stages in treatment of sewage.



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**32.** People consume fresh water resources indiscriminately. Plenty of water is wasted even in highly educated areas. Then you worried about the situation. You wanted to convey them about importance of water and future problem of water resources. You and your



classmates planned to conduct a campaign on water conservation. What are the suggested slogans to be created to bring the awareness in the community? Write few of them.



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**33.** Have you got any doubt about diseases caused by untreated water? List them out.



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## Exercise

1. Essential for metabolic activity.

A.  $CO_2$

B. Rain

C. Water

D. Minerals

**Answer:**



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2. ....present in the water cause disease.

A. Dust

B. Microbes

C. Dirt

D. Salts

**Answer:**



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3. Water let out from atomic reactors is fatal to

- A. Jungle life
- B. Hill beings
- C. Marine life
- D. Human life

**Answer:**



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4. Agro industry use excessive.

A. Fungicides

B. Water

C. Labour

D. Money

**Answer:**



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5. Chlorine passing into water is called.

A. Aeration

B. Chlorination

C. Purification

D. Filtration

**Answer:**



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**6.** Pumping of water into air for purifications is called.

A. Chlorination

B. Purification

C. Aeration

D. Filtration

**Answer:**



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7. Vegetables waste is a

A. Inorganic Impurity

B. Organic Impurity

C. Microbes

D. None

**Answer:**



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**8. Nallavally the oldest Vana Samrakshana**

A. Guntur dt. Of A.P

B. Krishna dt. Of A.P



C. Ananthapur dt. Of A.P

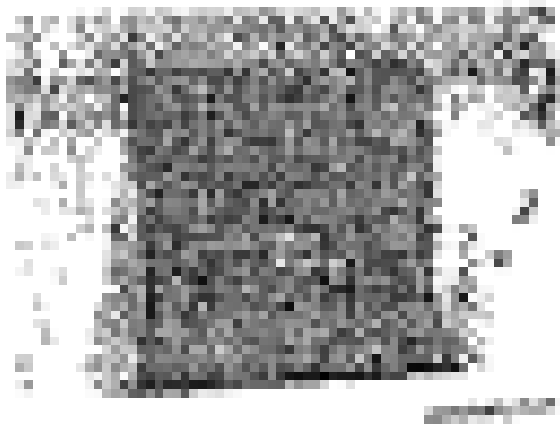
D. Medak dt. Of A.P

**Answer:**



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9. Identify the structure.



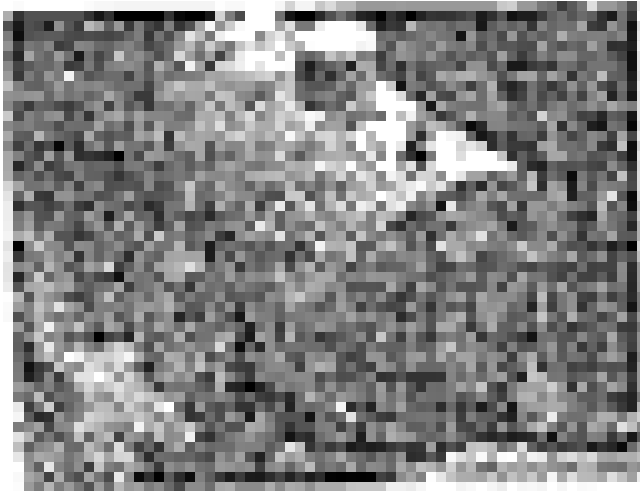
- A. Sludge tank
- B. Sewage tank
- C. Bar Screens
- D. Grit

**Answer:**



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**10. Identify this. This is a**



A. Petrol tank

B. Water tank

C. Milk tank

D. Septic tank

**Answer:**



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**11.** The percentage of fresh water available on the earth

A. 0.01

B. 0.02

C. 0.97

D. 0.07

**Answer:**



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**12.** Waste water released by different users are collectively called.

A. Mud

B. Sewage

C. Sludge

D. None of these

**Answer:**



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**13. Sewage contains**

A. suspended impurities

B. dissolved impurities

C. disease causing bacteria

D. all of these

**Answer:**



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**14.** The process involved in treatment of waste water

A. physical process

B. chemical process

C. biological process

D. all of these

**Answer:**



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**15.** Which gas kills harmful disease causing organisms in waste water?

A. Fluorine



B. Chlorine

C. Oxygen

D. Bromine

**Answer:**



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**16.** Microbes of cholera and typhoid grow more in

A. river water

B. tank water

C. well water

D. pond water

**Answer:**



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**17.** When do we celebrate World Water Day?

A. 22, March

B. 22, April

C. 22, May

D. 22, June

**Answer:**



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**18.** How much percentage of fresh water exists in glaciers?

A. 0.01

B. 0.02

C. 0.03

D. 0.07

**Answer:**



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**19.** Activated sludge contain the following percentage of water.

A. 0.01

B. 0.02

C. 0.97

D. 1

**Answer:**



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**20.** Cleaning of water is a process of removing.

A. harmful impurities

B. harmful impurities

C. dissolved & suspended impurities

D. all of these

**Answer:**



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**21. Dried sludge is used as**

A. manure

B. pesticide

C. water purifier

D. detergent

**Answer:**



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**22.** Pumping of water into air for purifications is called.

A. Chlorination

B. Purification

C. Aeration

D. Filtration

**Answer:**



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**23.** Which of the component is essential for metabolic activity?

A. Carbondioxide

B. Rain

C. Water

D. Minerals



**Answer:**



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**24.** It is an example of organic impurities

A. Human Faeces

B. Nitrates

C. Bacteria

D. Microbes

**Answer:**



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25. The following is an organic impurity came from agriculture industry.

A. Urea

B. Pesticides

C. Herbides

D. all of these

**Answer:**



26. The instrument used to remove oil and grease in sludge is

A. Scraper

B. Skimmer

C. Floater

D. Bar screen

**Answer:**



27. The following is a water conservation construction.

A. Percolation tank

B. Contour trench

C. Check dam

D. all of these

**Answer:**



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**28.** The following is a rainfed crop

A. Jowar

B. Red gram

C. Green gram

D. all of these

**Answer:**



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**29.** What is meant by sewage ?



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**30.** Mention the sources of sewage.



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**31.** What is the chemical substance used for killing microbes in waste water?



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**32.** If you are allowed to visit a sewage treatment plant, what doubts you can clarify about the plant from technicians?



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**33.** What are the materials used for observing changes in waste water at treatment plants?



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**34.** Read the table and answer the question that follows:

What is the nature of 97% of oceanic water?



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**35.** Read the table and answer the question that follows:

The type of water present in the glaciers?



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**36.** Read the table and answer the question that follows:

How are we using fresh water at present?



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**37.** Read the table and answer the question that follows:

Where do we obtain readily available water?



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**38.** How is water contaminated in urban areas?



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**39.** What is meant by 'Chlorination' and 'Aeration'?



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**40.** Why should oils and fats not be released into the drain? Explain.



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**41.** What would happen if there are no microbes that break down wastes in sewage?



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