

Chapter: Waste Water story

Subtopic: Became an active citizen, better housekeeping practices, sanitation and diseases

Section 1:

1. Fill in the blank and complete the sentences.

- (i) Vermi-composting toilets use _____ to treat human waste.
- (ii) Poor sanitation in crowded public places can result in spread of _____.

2. Match column I with column II and select the correct answers using the code given below the columns.

Column-I	Column-II
a) Aeration	i) Chlorine tablets are added
b) Chlorination	ii) Passes through layer of sand
c) Filtration	iii) Air is bubbled

a)	b)	c)

3. Mark 'T' if the statement is true and 'F' if it is false:

- (i) Tuberculosis is a water-borne disease. []
- (ii) Poor sanitation and contaminated drinking water is the cause of a large number of diseases. []



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4. Multiple choice questions:

a. Which of these diseases is not caused by improper disposal of sewage?

- | | | | |
|-------|--------------|---|--------------------------|
| (i) | cholera | - | <input type="checkbox"/> |
| (ii) | heart attack | - | <input type="checkbox"/> |
| (iii) | jaundice | - | <input type="checkbox"/> |
| (iv) | typhoid | - | <input type="checkbox"/> |

b. Which of these methods should NOT be used for disposal of urine and faeces if no sewage system is available?

- | | | | |
|-------|---|---|--------------------------|
| (i) | allowing untreated sewage to flow into rivers | - | <input type="checkbox"/> |
| (ii) | making septic tanks for sewage to flow into | - | <input type="checkbox"/> |
| (iii) | allowing sewage to flow into a biogas plant | - | <input type="checkbox"/> |
| (iv) | using a vermi composting toilet | - | <input type="checkbox"/> |

Section 2:

5. Answer the following question in brief.

a. Special type of toilets has been designed in aeroplanes, name it.

b. Name the toilets used in areas with limited water supply.

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6 Give reasons for each of the following.

a. We should not throw used tea leaves into sink.

b. We should not throw cooking oil and fats down the drain.

7 Why should we adopt better housekeeping practices and become an active citizen?

8 Mention the use of dried sludge.

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Section 3:

9. There are many alternative sewage disposal systems which have been developed as per needs of the community, persons, occasions, etc.. Few situations/specifications of the sewage need are given below. Write the name of sewage which can be used in the following conditions.

a. A toilet which can provide high quality manure.

b. The toilet which is used in aeroplane during flight.

c. A toilet which can be used in some out door gathering.

d. A toilet used in limited water supply.

e. A toilet which contaminates water of hand pump installed nearby.

10. Discuss vermi-processing toilets. Name the useful product obtained from such toilets.
