

Name: _____ Date: _____

Wastewater Story

Q1. What is sludge? Explain how it is treated.

Ans. _____

Q2. Untreated human excreta is a health hazard. Explain.

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Q3. What is sewage? Explain why it is harmful to discharge untreated sewage into rivers or seas.

Ans. _____

Wastewater Story

Q1. What is sludge? Explain how it is treated.

Ans. Solids like faeces settle at the bottom of the tank during sewage water treatment is called sludge. The sludge is transferred to a separate tank where it is decomposed by the anaerobic bacteria. The biogas produced in the process can be used as fuel or can be used to produce electricity. Dried sludge is used as manure, returning organic matter and nutrients to the soil.

Q2. Untreated human excreta is a health hazard. Explain.

Ans. Untreated human excreta is a health hazard. It may cause water pollution and soil pollution. Both the surface water and groundwater get polluted. Groundwater is a source of water for wells, tube wells, springs and many rivers. Thus, it becomes the most common route for water borne diseases. They include cholera, typhoid, polio, meningitis, hepatitis and dysentery.

Q3. What is sewage? Explain why it is harmful to discharge untreated sewage into rivers or seas.

Ans. Sewage is wastewater released by homes, industries, hospitals, offices and other users. It also includes rainwater that has run down the street during a storm or heavy rain. The water that washes off roads and rooftops carries harmful substances with it. Sewage is a liquid waste. It is harmful to discharge untreated sewage into rivers or seas because it contains suspended solids, organic and inorganic impurities, nutrients, saprotrophic and disease causing bacteria and other microbes.