

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## WASTEWATER AND PLASTICS TRUE OR FALSE

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True

False

### Wastewater

1. Wastewater is water used in human processes.

Explain your answer below. If true, what are some examples of these processes?

2. In rural areas, some communities use septic tanks for wastewater treatment instead of WWTPs.

3. Stormwater and sanitary sewers both lead to the WWTP.

Explain your answer below.

4. Sanitary sewers flow directly into bodies of water.

Explain your answer below.

True False **Wastewater cont.**

- 5. Influent is treated water flowing out of the WWTP.
- 6. Effluent is untreated water.

True False **Water Treatment**

- 7. The three main methods of wastewater treatment are mechanical, biological and chemical.
- 8. Bacteria consume organic material in secondary treatment.
- 9. In mechanical treatment, the water passes through screens to catch large solids.

True False **Sludge**

- 10. Sewage "sludge" is sometimes sold to farmers and spread on fields as fertilizer.
- 11. Sludge is always free from microplastics.

True False **Microplastics**

- 12. Microfibers are a type of microplastic.
- 13. Microplastics are any plastic less than 10 millimeters long.
- 14. Nurdles come from your home's wastewater.
- 15. Microfibers include natural fibers.  
Explain your answer below.

True

False

**Microplastics cont.**

**16.** Microplastics are released into waterways through laundering polyester fabrics.

**17.** Biological treatment removes microplastics.

Explain your answer below.

**18.** WWTPs are designed to filter out microplastics.