

Name \_\_\_\_\_

## The Dirty Truth: Exploring the Role of Sewage and Wastewater in Water Pollution

### Open-Ended Response Answer Key

1. Untreated sewage and wastewater discharges can lead to waterborne diseases, contamination of drinking water sources, degradation of aquatic habitats, and loss of biodiversity, highlighting the urgent need for effective wastewater management practices to protect public health and the environment.
2. Solutions for improving wastewater treatment processes may include upgrading treatment infrastructure, implementing advanced treatment technologies, promoting water reuse and recycling, and implementing pollution prevention measures to minimize the release of contaminants into water bodies.
3. Government regulations and policies play a critical role in setting standards for wastewater treatment, enforcing pollution control measures, monitoring water quality, and promoting sustainable practices to safeguard water resources for present and future generations.
4. Human activities such as agriculture, urbanization, and industrialization contribute to the generation of sewage and wastewater, highlighting the need for integrated approaches to wastewater management that consider the environmental, social, and economic dimensions of water pollution prevention and mitigation.

