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Objective: To model the steps involved in wastewater treatment to gain a better understanding of the wastewater treatment process.

Directions:

1. Collect simulated wastewater and materials needed to clean the water.
2. Carry out the steps involved in primary, secondary, and tertiary treatment. While completing each step, complete the observation table.
3. Answer the reflection questions.

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| **Treatment Step** | **Description of Actions Taken** | **Before and After Sketches** |
| **Primary** |  |  |
| **Secondary** |  |  |
| **Tertiary** |  |  |

**Reflection**

1. Discuss the differences between each step of wastewater treatment.
2. Identify the costs associated with wastewater treatment.
3. Describe the ways in which this simulation did not mirror the actual wastewater treatment process.
4. Explain how phytoremediation and bioremediation are similar to the wastewater treatment process and how they are different.
5. Discuss 2 ways in which the amount of wastewater produced can be minimized.
6. Identify a law that requires wastewater to be treated.