

## Environmental Science Study Guide

### Waste, Landfills, Water Treatment

#### Vocabulary

*Understand and be able to apply each of these terms.*

1. Waste Stream –
2. Open Dumps –
3. Sanitary Landfills –
4. Refuse-Derived Fuel Incinerator –
5. Mass Burn Incinerator –
6. Hazardous Waste –
7. Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund) –
8. Recycling –
9. Composting –
10. Demanufacturing –
11. Wastewater Treatment -
12. Sewer Overflow -

#### Critical Thinking

*Be able to read, analyze, and give complete answers to questions like these.*

1. The two most common methods of municipal waste disposal are sanitary landfills and incinerators. What are the benefits and drawbacks of using each?
  
2. Summarize what occurred during the Love Canal disaster and the legislation that was written in response to it.

3. Summarize what occurred during the Khian Sea waste disposal incident and the legislation that was written in response to it.
  
4. Summarize each of the stages of the wastewater treatment process. Explain what specifically is done to the sewage in each stage, including any filtering or chemical treatments added.
  - a. Primary Treatment –
  
  - b. Secondary Treatment –
  
  - c. Tertiary Treatment –
  
5. What is the ultimate fate of the sewage sludge that passes through a water treatment plant? What about the water?