

Chapter 22 Study Guide

1. Define the 3 main categories of **waste**.
2. List 5 ways to reduce the amount of material entering the **waste stream**.
3. What are the top three components of **municipal solid waste (MSW)** here in the US.
4. How much solid waste does the average American generate in one day?
5. What is the purpose of the Resource Conservation and Recover Act and when was it enacted?
6. Using figure 22.6, describe the main features of a **sanitary landfill**. What is the landfill designed to prevent?
7. Why is it good that some rainfall enters a landfill?
8. What is **leachate**, and what are the problems associated with it.
9. Name two pros and to cons when it comes to **incinerating** trash.
10. What gas, created by anaerobic decomposition, can be recovered and used for energy from some landfills?
11. When and why was the first **bottle bill** passed, and how has it affected recycling rates?
12. State three examples of **Industrial Solid Waste**.
13. Define **industrial ecology** and explain 2 (of 4) goals that industrial ecologists have.
14. What are the 4 categories of **hazardous waste** and give an example of each.
15. List 3 **heavy metals** widely used in electronic devices.
16. What is the largest source of unregulated hazardous waste?
17. Currently, what happens to most of our e-waste?
18. What is a brownfield?
19. What is a superfund site? Specific example?

Essay Questions: (Choose 2) 4 points each

1. What are the benefits and drawbacks of incinerating trash? How have these problems been dealt with in most developing countries?
2. Describe the growing problems in dealing with e-waste.
3. Identify 6 steps that can be taken to reduce the size of the waste stream.
4. Describe the advantage of compositing.