

Review

1. What is a heat island? Cities are hot (pavement)
2. What is zoning? designate land for homes/business/park/ag.
3. Identify 5 reasons for Urban Sprawl.
  1. Affluence
  2. Cars
  3. "American Dream"
  4. cheap gas
  - 5.
4. Identify 3 advantages of cities.
  1. Commerce
  2. Education
  3. infrastructure
5. Identify 7 disadvantages of cities.
  1. pollution
  2. -noise
  3. -light
  4. habitat loss
  5. no trees
  6. air pollution
  - 7.
6. Identify 3 ways to grow cities sustainably.
  1. up, not out
  2. live, work, play in same area (no commute)
7. Describe the event known as the Love Canal.

Hooker Chemical buried haz. waste in Canal, sold to school for \$1. School/ Homes built. People got sick.

CERCLA (Superfund) was created.

8. What Law was a result of the Love Canal? CERCLA
9. What does it do? forces companies to pay to clean haz. waste.
10. What is the majority of our solid waste? paper
11. Describe a sanitary landfill.

see notes

12. List 3 benefits of sanitary landfills.
  1. reduces leachate/groundwater pollution
  2. reduces odor
  3. address monitors City to reduce GTH
13. List 3 problems with sanitary landfills.
  1. leachate still a problem
  2. NIMBY
  3. Particulates

14. Describe an incinerator.

See handout

15. List 3 problems with incinerators.

1. Air pollution
2. Haz. waste generation
3. Toy story 3

16. List 2 benefits of incinerators.

1. To generate energy
- 2.

17. Explain e-waste. Electronics that are obsolete

18. What is happening to the e-waste in our country? shipped overseas (recycled)

19. What are 2 health hazards that can occur when handling e-waste?

1. Cancer from smelting / exposure to heavy metals
- 2.

20. Describe integrated waste management.

Reuse, Reduce, Recycle, Disposal

21. Identify and describe the 2 laws in the US that deal with hazardous waste.

Law	Description
RCRA	Cradle to Grave
CERCLA	polluters pay to clean up.

22. What are the 2 largest classes of hazardous waste?

1. Military makes most Haz. waste.
- 2.

23. Identify 3 sources of lead in the environment.

1. pipes
2. paint
3. wires

24. What are 2 effect of Mercury on human health?

1. neurotoxin
2. ~~misorder~~ Minimata Disease

25. How does mercury accumulate in fish? Biomagnifies up food chain.

More in higher trophic levels.