Name: _____ Block: _____

Water Pollution Packet

Matching:

a. pollutant
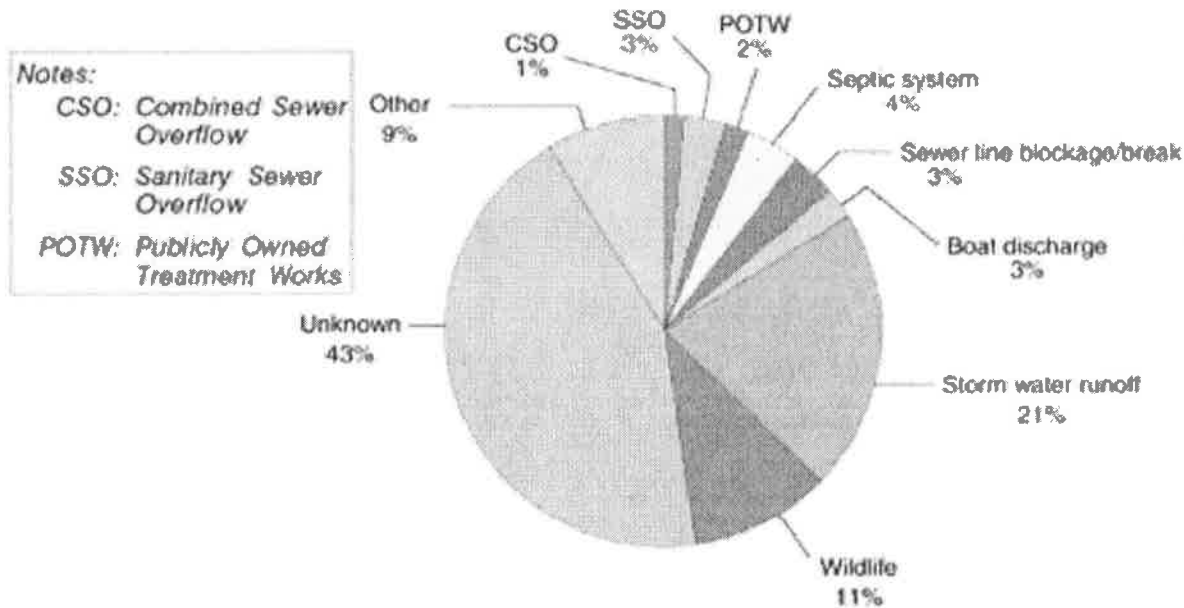d. fertilizer
g. nonpoint source
j. watershed

b. contaminants
e. pesticides
h. point source
k. habitat

c. leach
f. runoff
i. crop rotation
l. wetland

1. _____ Areas of land that are often covered by water
2. _____ Impurities in water due to the activities of people
3. _____ When chemicals soak into groundwater
4. _____ Chemicals sprayed on crops to protect the plants from diseases and bugs
5. _____ Precipitation that flows off the land and carries sediment, nutrients, and pesticides to farms and cities.
6. _____ Impurities in water caused by natural processes
7. _____ Pollution that comes from a widespread area, not just one particular area
8. _____ An animal's home, including its food, water, and shelter
9. _____ Chemicals that supply nutrients that are essential for healthy plant growth but also contribute algal bloom
10. _____ Pollution that comes from a particular spot or area
11. _____ A method that helps protect the land by reducing erosion when types of plants grown on farms are changed periodically
12. _____ A land area that drains into a water system such as a river, stream, or lake

Short Answer:

13. Why is water known as the *universal solvent*?

14. Name one way in which water can become polluted in nature.

15. What are two main types of water pollution?

16. Why is it harder to clean up pollution from nonpoint sources?

17. Why is it important to consider the entire watershed when looking for sources of pollution?

18. Why are wetlands important?

Using the graph, answer the questions below:

Notes:
CSO: Combined Sewer Overflow
SSO: Sanitary Sewer Overflow
POTW: Publicly Owned Treatment Works

CSO 1%
SSO 3%
POTW 2%
Septic system 4%
Sewer line blockage/break 3%
Boat discharge 3%
Storm water runoff 21%
Wildlife 11%
Unknown 43%
Other 9%

19. What percentage of known water pollution is *not* caused from human activities?
    a. 21%
    b. 11%
    c. 32%
    d. 33%

20. If you are riding a wave runner in Lake Michigan in summertime, what sector of water pollution are you contributing to?
    a. Storm water runoff
    b. POTW
    c. SSO
    d. Boat discharge

21. What percentage of water pollution is related to sewers, septic, and treatment systems?
    a. 21%
    b. 13%
    c. 7%
    d. 12%

Multiple Choice:

22. How does storm water runoff pollute waters?
    a. The acid rain effects aquatic life
    b. Run off carries sediment, fertilizers, and pesticides
    c. Both A and B

23. What is a major pollutant in Alabama's water?
    a. Sediment
    b. Fertilizers
    c. Pesticides
    d. PCB's

24. What causes most water pollution?
    a. Natural events and processes
    b. People
    c. Both equally
    d. Neither

25. What are some ways in which people can prevent water pollution?
    a. build lagoons to store waste and capture runoff
    b. crop rotation
    c. build fences to keep livestock away from streams
    d. all of the above

True or False:

26. _____ Groundwater can become contaminated by the minerals it comes in contact with.
27. _____ Water is often found pure in nature.
28. _____ Swamps and marshes are examples of wetlands.
29. _____ DDT's and PCB's are currently being used by farmers and industries.
30. _____ Alabama's Black Belt region is named for its polluted soil by human activities