POISONED WATERS: FRONTLINE

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is the difference in the number of bushels of crabs caught in Chesapeake Bay from 25 years ago?

2. What commercial fishery has been totally lost in Chesapeake Bay?

3. What is the primary cause of the loss of fisheries?

4. What makes Chesapeake Bay so vulnerable?

5. What phenomenon is growing in the Bay?

6. Responding to public pressure, what did President Nixon create?

7. What was one of the new laws passed to support the EPA?

8. What were some of the actions taken by the head of the EPA?

9. There are two steps to pollution control that they took. What were they?

10. What are the two nutrients in human waste that cause the overproduction of algae?

11. How is nitrogen removed from sewage?

12. What was the result of the new voluntary program implemented by President Reagan?

13. Rain water mixed with poultry manure makes a mixture known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

14. What else besides nitrogen and phosphorus was in the chicken manure leachate?

15. What does factory farming do to prices?

16. What is the largest source of pollution to the Chesapeake Bay and all of the country?

17. What is the biggest contributor to low water quality, fish stock depletion, and fish species extinction?

18. The biggest problem with manure is what*?*

19. What was the water pollution in the Potomac producing in the male small-mouth bass testes?

20. What causes this phenomenon called “intersex”?

21. What are some of the everyday products that we use that have endocrine disrupters in them?

22. How does the EPA regulate or measure these contaminants in the environment?

23. What do few people realize about their drinking water?

24. What amount of the ‘EMERGING CONTAMINANTS’ (those new contaminants with no testing done on them) are found in drinking water AFTER it has been treated?

25. One of the REAL CONCERNS about Toxicology is that it may be safe to have a little bit of Compound A or a little bit of Compound B, but when the two of them are together there is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and they become really deadly.

26. How many people are exposed to endocrine disrupters in the Mid-Atlantic region?

27. What are some effects seen in people exposed to endocrine disruptors?

28. Why are Orcas a good species to use for measuring the effects of pollution?

29. What is being found in their blubber?

30. From where do the younger whales get their PCB’S?

31. What is the EPA’s SUPERFUND?

32. Where is most of the pollution found in the river now?

33. Define LEGACY POLLUTION:

34. What was the highest level in ppm (parts per million) of PCB’s found at Malarkey Cement, what is the EPA upper limit, and what is the residential limit?

35. What is now labeled as the “#1 MENACE TO OUR WATERWAYS”?

36. How much ‘untreated toxics’ are put into Puget Sound per day?

37. What is at the heart of the problem of storm water runoff?

38. The KEY to storm water runoff is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

39. How many people move into/many acres of forest are lost in the Chesapeake Bay watershed?

40. One result of too many impervious surfaces is that streams are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

41. How many Americans live on or near our waterways?

42. The best way to protect waterways is to market the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, not market the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

43. The key to SMART GROWTH is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

44. What are some of the things being fixed with SMART GROWTH redevelopment?

45. The Chesapeake Bay is an environmental indicator just like a canary in a coal mine, and the solution is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

46. How many years do we have to take DEFINITIVE action to protect our waters?

47. What bodies of water in Connecticut are probably being impacted in the same way as Chesapeake Bay and Puget Sound?