**Environmental Science Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Water Quality**

**Review Period\_\_\_\_\_\_\_\_\_\_**

**Define the following terms:** 1-13

Aquifer, BOD, coliform bacteria, assimilative capacity, rotenone, effluent, turbidity, ppm,

littoral zone, oligotrophic, limnetic zone, profundal zone,

**Know and understand the following:**

14) Name and describe at least 4 separate water quality indicators used in water quality monitoring.

15) Name and describe the steps in sewage treatment.

16) List and explain 5 functions/values of riparian zones.

17) List and explain 5 functions of wetlands.

18) What are estuaries and why are they important?

19) Explain the difference between point and nonpoint source water pollution.

20) Describe the differences between oligotrophic and eutrophic lakes.

21) Define Wetlands. What are the two types of wetlands discussed in class?

22) List three types of plants commonly found in wetlands.

23) What are some possible sources of nitrate pollution?

24) What can be learned from studying birds during wetlands monitoring?

25) List 3 Pros and 3 Cons of building dams.

26) What levels of dissolved oxygen are considered safe for most fish?

27) Name two invertebrate samples that usually indicate “good” water quality.

28) Describe a possible cause of an algal bloom. Give some consequences of algal blooms.

30) What does turbidity measure?

31) What is a watershed? What is the importance of a watershed?

32) Name three human activities that have altered or degraded wetlands.

**Water Quality Review cont..**

33) What are BMP’s and why are they important?

34) What is the biggest Aquifer in the US and what problems is it facing?

35) What is a *cone of Depression* and how does it happen?

36) What zone in a lake has the most life forms?

37) What causes sedimentation in rivers?

38) Why is sedimentation considered to be harmful to fish?

39) What pollutant was responsible for the demise of Lake Tahoe in the 1970’s?

40) Draw and label the hydrologic cycle?

41) Name three threats to coral reefs.

42) Why is it important to dispose of your used oil properly?

43) Name three pollutants that can contaminate ground water.

44) Name three human threats to the world’s Oceans.

45) What is Hypoxia?

46) Sketch the zones of a marine system.

47) What are intertidal zones and why are they important?

48) What are mangrove swamps and what is their importance?

49) Name three threats to the Mississippi Delta

50) Describe three ways that residential citizens can help reduce the demand for water consumption.

