**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PERIOD: \_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DISCOVER NORTH CAROLINA’S RIVERS BASINS**

<http://www.eenorthcarolina.org/images/River%20Basin%20Images/final_web_booklet.pdf>

Answer the following questions about NC’s river basins. Use the above article to help find your answers.

1. Describe the difference between a river basin and a watershed

2. Define estuary.

3. Within a watershed, how does water flow?

4. List 4 ways water travels over the land?

5. Define groundwater.

6. Define ecosystems.

7. As water moves, what things can it carry?

8. How can activities on land relate to the health of aquatic ecosystems?

9. How many river basins are in NC? What is the Largest/smallest river basin in North Carolina?

10. What river basin do you live in? What is the rank of your river basin compared to others in North Carolina?

11. Define aquifer.

12. Describe the meaning of ecological address.

13. List the 9 components of your ecological address.

14. Where does the water around your house eventually drain to?

15. Define topography.

16. What is a wetland? Do you live near a wetland?

17. What do wetlands provide?

18. Where does most drinking water come from?

19. List two ways ground water can be contaminated.

20. What is biodiversity?

21. Contrast permeable and impermeable.

22. What is a river, according to the section entitled “The Ecosystem Connection”?

23. What is an ecological footprint?

24. Why is it important to have a large variety and large number of aquatic organisms?

25. Describe the term vegetative buffer.

26. How does sediment affect the water quality?

27. Why are more humans vulnerable to flooding?

28. How has urban development reduced the land’s ability to absorb runoff?

29. Discuss the Clean Water Act of 1972.

30. What is a point source pollutant? A non-point source pollutant?

31. What does excess nutrients damage water?

32. What is storm water?

33. How can the flow of storm water be controlled?

34. Name 4 ways that citizens are making a difference in their communities.