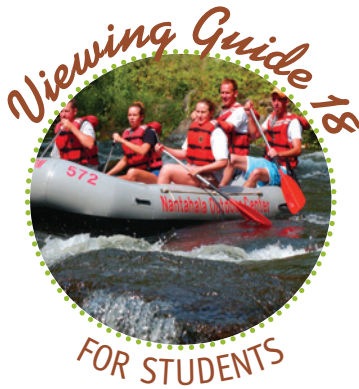


## Episode: Basin Basics

EXPLORING NORTH CAROLINA



### USEFUL VOCABULARY

co-evolve

Continental Divide

crucible

reservoir

river basin

runoff

stormwater

stream buffer

### CHAPTER 2 (0:00–5:42)

1. How many river basins are in North Carolina?
2. Each river basin is like a \_\_\_\_\_ with its own \_\_\_\_\_.
3. What happens at the Continental Divide?
4. North Carolina was one of the first states in the country to use river basins as \_\_\_\_\_.
5. Why is it important for citizens and government leaders to think about organizing the state in terms of river basins?

### CHAPTER 3 (5:42–9:10)

6. What is interbasin transfer?
7. Provide an example of a controversial interbasin transfer.
8. Why is interbasin transfer a problem?

### CHAPTER 4 (9:10–16:38)

9. River basins are considered a \_\_\_\_\_ of evolution because each basin has a long history separate from its neighbors'. Interdependent species have \_\_\_\_\_ in individual river basins.

10. How many species of fish have been found in North Carolina river basins?
11. North Carolina is home to about \_\_\_\_ species of freshwater mussels, \_\_\_\_ species of fingernail clams and \_\_\_\_ species of freshwater snails.
12. How are host fish part of the life cycle of freshwater mussels?
13. Why are freshwater mussels important?
14. Why are invasive species a problem?

**CHAPTER 5 (16:38-21:47)**

15. Why is it important how we use water upstream in a river basin?
16. How are buffers important to water quality in rivers?
17. How do buffers work?
18. Dave Toms of the N.C. Department of Environment and Natural Resources emphasizes that people need to conserve both city water and well water during a drought. How are groundwater and surface water related during a drought?
19. What is the purpose of the North Carolina Department of Environment and Natural Resources?
20. How can individual property owners help the North Carolina Department of Environment and Natural Resources fulfill its mission?