

Scroll down to the [Water Resources film on this page](#). Click the small VoD icon to the right of that film and watch.

1. Why does AZ rely so much on ground water rather than surface water?

2. Draw what happens when a lot of wells go in near a river, labeling the cone of depression. :(

3. List 2 problems with wells near a river. What's the big deal?

A

B

4. What is a riparian system?

5. In a riparian system, a single cottonwood can transpire up _____ gallons per day.

6. Won't cutting down all the trees in a riparian system prevent water loss? Explain. (An AZ legislator proposed a similar idea.)

7. Where does a tree "want the water" to be in relation to its roots?

8. What happens to a river when it becomes disconnected from the groundwater?

9. Describe (don't just list) two challenges facing the Suwannee River.

A

B

10. Why do Florida Rivers often flow underground? (Keep watching to about 24 minutes.)

11. Nitrates are fertilizers. Why are those darned college-educated hippies worried about that stuff? Explain.

12. What do AZ and FL share regarding water resource challenges? How are they different?

13. The answer to this question is _____

14. Write your own water resource question or observation based on the film or your reading from the textbook chapter.