

Water in AZ Web Quest

Go to my website (yayscience.net), hover over the 6th grade tab on the top of the page, and click on Water Unit. Then click on [Arizona's Use of Water](#) link in the right column. Answer the following questions in your comp book in complete sentences, although you do not need to write the questions down.

1. What do humans use water primarily for?
2. What percent of water is freshwater on planet Earth?
3. True or False: Arizona is one of the driest states in the US.
4. How many gallons of water does Arizona use each year?
5. Write the percentage of available water supply is used for each of these uses. (Hint: look at the chart)
 - a. Agriculture _____ %
 - b. Industry _____ %
 - c. Municipal Use (normal household use) _____ %
6. What is groundwater also called?
7. What does the Groundwater Code promote?
8. Why does Arizona have to share water from the Colorado River with other states and Mexico?
9. What has been constructed to help best use surface water when and where it is needed?
10. What is effluent water and where is it used?

Now click on [Water Sources of Phoenix](#) and click through the links on the page. Hint: read through all of the pop ups that show up on the screen! Then answer the following questions in complete sentences.

11. What are Phoenix's three sources of water?
12. Where does 85% of the water in the Colorado River come from?
13. Where is the Glen Canyon Dam and what does it do?
14. How is Lake Powell useful for Phoenix's water supply?

15. Which dam manages the water supply from the Salt River?
16. Why was the Roosevelt Dam's wall raised in 1996?
17. Describe the purpose of the Central Arizona Project (Hint: labeled on the map as CAP Canal).
18. How much water is delivered to Phoenix customers daily from water treatment plants?
19. After being treated in a waste water treatment plant, where does the majority of water go?
20. How have scientists figured out the wet and dry weather cycles from past years?

Now click on the [Arizona's Watershed](#) link on the Document side of the page. Answer the following questions in complete sentences. Hint: make sure you are using the key to answer the questions.

21. What is the name of our watershed here in Phoenix?
22. What is the name of the main river that runs closet to Phoenix?
23. Looking at the arrows on the Salt River, list six tributaries (smaller rivers and creeks that flow into a larger river) that flow in to help create the Salt River.
24. Looking at the arrows, what mountain range does Phoenix get the snowpack runoff from? (Hint: look at the key and then find the 'cliff' north of Phoenix).
25. Yuma is downstream from Phoenix which means water passes through Phoenix before getting to Yuma. What could pollute the water in Phoenix so that Yuma receives polluted water?

If you have extra time, go back to the Water Sources of Phoenix and click on Residence and Business to explore more. If you still have time, go back to the Water Unit page on my website and click on other links.