

Name \_\_\_\_\_

## INTERNET SCAVENGER HUNT QUESTIONS AND WEBSITES

**DIRECTIONS:** Below are 50 questions divided into five categories: Global, National, State, Local, and Household water topics. Following each set of questions are websites that will help you find the answers in that category. You may write your answers under the questions. If you need more space, use page five. To access websites, press Control and click on the link.

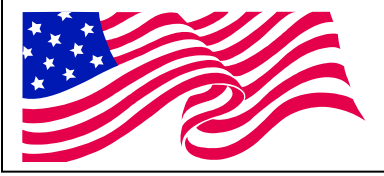
### Global Water Topics



1. What percentage of the world is covered by water?
2. What percentage of earth's water is salt water?
3. Name two sources of freshwater.
4. What do we use freshwater for?
5. What concept explains the fact that the water we drink is about three billion years old?
6. Which is the longest river in the world? Largest ocean?
7. What river carries the most water?
8. What five factors determine what happens to rain after it falls?
9. What shapes do raindrops come in? What determines their shape?
10. How many gallons of water fall when one inch of rain falls on one acre of land?
11. How many inches of snow equal one inch of water?
12. Approximately how long can you live without water?
13. Why can't ocean water be treated to make drinking water?

- ✓ [www.windows.ucar.edu/tour/link=/earth/Water/overview.html&edu=mid](http://www.windows.ucar.edu/tour/link=/earth/Water/overview.html&edu=mid)
- ✓ <http://www.ga.usgs.gov/edu/earthrain.html>
- ✓ [http://watercenter.unl.edu/water\\_information/drinking/drinking.htm](http://watercenter.unl.edu/water_information/drinking/drinking.htm) [go to Water Wisdom]
- ✓ [http://watercenter.unl.edu/water\\_information/faqs.htm](http://watercenter.unl.edu/water_information/faqs.htm)

## National Water Topics



14. The average daily residential water use per person in Canada is 71 gallons; Italy 55 gallons; Sweden 44 gallons; France 33 gallons; Israel 29 gallons. What is the average daily residential water use per capita in the United States?
15. Which state uses the most water for irrigation?
16. What is most of the freshwater in the United States used for?
17. Which states use the most water?
18. What is the difference between a reservoir and a lake?
19. What are five effects (or problems) of urbanization on creeks and streams?
20. What is groundwater?
21. What are two reasons for water tanks?
22. What is the major cause of pollution of drinking water sources in towns and cities?
23. What states, if any, are currently experiencing Exceptional Drought (D4) conditions?

- ✓ [http://watercenter.unl.edu/water\\_information/drinking/drinking.htm](http://watercenter.unl.edu/water_information/drinking/drinking.htm) [go to Water Wisdom]
- ✓ <http://ga.water.usgs.gov/edu/qausage.html>
- ✓ <http://www.ga.usgs.gov/edu/earthlakes.html>
- ✓ <http://ga.water.usgs.gov/edu/urbaneffects.html>
- ✓ [http://watercenter.unl.edu/water\\_information/drinking/drinking.htm](http://watercenter.unl.edu/water_information/drinking/drinking.htm) [go to Groundwater]
- ✓ [http://watercenter.unl.edu/water\\_information/faqs.htm](http://watercenter.unl.edu/water_information/faqs.htm)
- ✓ <http://drought.unl.edu/dm/monitor.html>

## State Topics

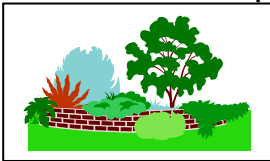


24. Using "Locate Your Watershed," what 4 watersheds are in Wake County?
25. What is a watershed?

26. How many river basins are there in North Carolina?
27. What is the difference between a river basin and a watershed?
28. What percent of the state of North Carolina is water?
29. If NC is experiencing any category of drought, what (or which) river basin is being affected?

- ✓ <http://cfpub.epa.gov/surf/locate/index.cfm>
- ✓ <http://www.epa.gov/surf/watershed.html>
- ✓ <http://www.ee.enr.state.nc.us/ecoadr/ecoadr.htm>
- ✓ <http://ga.water.usgs.gov/edu/wetstates.html>
- ✓ <http://www.ncwater.org/drought/>
- ✓ <http://www.ee.enr.state.nc.us/ecoadr/riverbook.pdf>

## Local Water Topics



30. What local reservoir provides water for the Cary/Apex Water Treatment Facility?
31. Total system demand is the amount of water used by Cary Water Treatment Facility customers. What was the total system demand for yesterday?
32. The Cary/Apex water treatment facility treats water for which neighboring towns?
33. What percentage of water supply storage is allocated to Cary/Apex?
34. The Cary/Apex water treatment facility has the capacity to treat how many millions of gallons per day?
35. What is the current elevation of B. Everett Jordan Lake?
36. Name the 5 reasons why the reservoir in #30 was created.
37. What river basin is Jordan Lake in?
38. Cary's next wastewater treatment facility will discharge into the Cape Fear River Basin, currently, its water reclamation facilities discharge treated wastewater into which river basin?

- ✓ <http://www.townofcary.org/depts/pwdept/water/webdemand.htm>
- ✓ <http://epec.saw.usace.army.mil/capefear.htm>
- ✓ <http://www.townofcary.org/depts/pwhome.htm>

## Household Water Topics



39. List three of the many functions of water in the body?
40. Given your weight and exercise routine, how many ounces of water should you drink a day?  
(Use the Hydration Calculator)
41. How much water would you save if instead of using a conventional toilet, you used a low flush toilet?
42. How much water would you save if instead of using a conventional showerhead, you used a low-flow one?
43. How much water would you save if instead of using a conventional faucet, you used a low-flow one?
44. What are five ways you can conserve water outdoors?
45. What percentage of water inside the home gets flushed down the toilet?
46. How many gallons does the water efficient household use per person per day?
47. How many gallons of water can you save if you don't let the water run while brushing your teeth?
48. How many gallons of water does the typical bath take?
49. Is it safe to drink water from your garden hose?
50. Identify the seven water-polluting activities shown in the picture.

- ✓ <http://www.bottledwater.org/public/hydratio.htm>
- ✓ [http://pasture.ecn.purdue.edu/~agenhtml/agen521/epadir/grndwtr/water\\_saving.html](http://pasture.ecn.purdue.edu/~agenhtml/agen521/epadir/grndwtr/water_saving.html)
- ✓ [http://watercenter.unl.edu/water\\_information/faqs.htm](http://watercenter.unl.edu/water_information/faqs.htm)
- ✓ <http://www.epa.gov/OWOW/NPS/kids/whatwrng.htm>
- ✓ <http://www.townofcary.org/depts/pwdept/water/waterconservation/education.htm>

Now that you are finished, treat yourself to some water conservation puzzles.

- ✓ <http://www.texaswater.org/kids/default.htm>
- ✓ <http://drought.unl.edu/ndmc/kids/break.htm>

## Extra Space

Be certain to identify the number question you are answering.