

# What Do You Really Know About Water? Take the Watershed Agricultural Council's Water Trivia Challenge



Titicus Reservoir, Westchester County

Watershed Agricultural Council  
[www.nycwatershed.org](http://www.nycwatershed.org)



## Water Trivia Questions (Answers are provided on the back.)

1. Water is the only substance found on earth naturally in three forms.  
True or False                      Name the three forms
2. Does water regulate the earth's temperature?  
Yes or No                              If yes, how does it do it?
3. At what temperature does water freeze?  
\_\_\_degrees Fahrenheit, \_\_\_degrees Celsius
4. At what temperature does water vaporize?  
\_\_\_degrees Fahrenheit, \_\_\_degrees Celsius
5. How long can a person live without food? without water?  
\_\_\_A day              \_\_\_a week              \_\_\_a month \_\_\_a year
6. What percentage of the human body is water?
7. What percentage of the Earth's surface is water?



# Water Trivia Answers

1. True, **water exists** in three forms: solid, liquid and gas.
2. Yes, the Earth's **water serves** as the planet's natural insulator.
3. **Water freezes** at 32 degrees Fahrenheit, 0 degrees Celsius.
4. **Water turns to steam** at 212 degrees Fahrenheit, 100 degrees Celsius.
5. A person can live without food for more than a month, but can only survive for approximately one week **without water**, depending upon conditions.
6. The human body is **66%, or two-thirds, water**.
7. The Earth's surface is **80% water**.



## More Water Trivia Questions

8. How much water must a person consume per day to maintain health?
9. How much water does the average New Yorker consume each day?
10. Of all the earth's water, how much is ocean or seas?
11. What percentage of the world's water is frozen and therefore unusable?
12. What percentage of the Earth's water is suitable for drinking water?
13. What is the most common substance found on earth?
14. How much water does the average residence use during a year?
15. How much does the average American pay for water each day?





## More Water Trivia Answers

8. A person must consume **2.5 quarts of water** from all sources (i.e. plain water, other beverages, food) per day to maintain health.
9. The average New Yorker consumes **100-125 gallons of water** each day (including bathing, watering lawns, flushing toilets, cleaning clothes).
10. The average household residence uses **over 100,000 gallons of water** (indoors and outside) in one year.
11. Ninety-seven percent (**97%**) of Earth's water is ocean or seas (salty).
12. Two percent (**2%**) of the world's water is frozen and unusable.
13. Only **1% of Earth's water** is suitable for drinking.
14. **Water is the most common substance** found on Earth.
15. The average American pays **25 cents a day for clean drinking water**.

## More Water Trivia Questions

16. How many community public water systems are there and how much water do these utilities process daily?
17. What does it cost to operate the water systems throughout the country annually?
18. How many miles of pipeline and aqueducts are in the United States and Canada?
19. What were the first water pipes made from in the US?
20. Where was the first municipal water filtration works opened and when?
21. How many households use private wells for their water supply?  
More than 13 million
22. How much water is used to flush a toilet?
23. How much water is used in the average five-minute shower?

## More Water Trivia Answers

16. Over 54,000 community public water systems **process 38 billion gallons of water** daily.
17. It costs **over \$3.5 billion** to operate the nation's water systems annually.
18. Approximately **one million miles** of pipeline and aqueducts span the United States and Canada, enough to circle Earth 40 times.
19. The first American-made water pipes were fire-charred bored logs.
20. The first municipal water filtration works opened in Paisley, Scotland in 1832.
21. More than **13 million households use private wells** for their water supply.
22. Flushing a toilet uses **2-7 gallons of water per flush**.
23. The average **five-minute shower uses 15-25 gallons** of water.

## More Water Trivia Questions

24. How much water is used on the average for an automatic dishwasher?
25. On the average, how much is used to hand-wash dishes?
26. How much does one gallon of water weigh?
27. What is the weight of water in one cubic foot?
28. How much water drops with an inch of rain on one acre of ground?
29. How much water does it take to produce one ton of steel?
30. How much water is used to produce a single day's supply of U.S. newsprint?
31. What is the total amount of water used to manufacture a new car, including new tires?
32. How many gallons of water must a dairy cow drink to produce one gallon of milk?





## More Water Trivia Answers

24. On average, an automatic dishwasher uses 9-12 gallons of water.
25. On average, hand-washing dishes uses 9-20 gallons of water.
26. One gallon of water weighs 8.34 pounds.
27. One cubic foot of water weighs 62.4 pounds.
28. One inch of rain falling on one acre of ground equal 27,154 gallons, which weighs 113 tons.
29. To produce one ton of steel takes 62,600 gallons of water.
30. To produce a single day's supply of U.S. newsprint takes 300 million gallons of water.
31. To manufacture a new car, including new tires, takes 39,090 gallons of water.
32. To produce one gallon of milk, a dairy cow drinks four gallons of water.

## More Water Trivia Questions

33. How much water is used to grow/produce one chicken?
34. How much water is used to grow/produce almonds?
35. How much water is used to produce French fries?
36. How much water is used to grow/produce one orange?
37. How much water is used to grow/produce one watermelon?
38. How much water is used to produce one loaf of bread?
39. How much water is used to grow/produce of a tomato?
40. How much water is used to grow/produce rice?

## More Water Trivia Answers

33. To grow/produce ONE chicken requires 400 gallons of water.
34. To grow/produce almonds takes 12 gallons of water.
35. To create French fries takes 6 gallons of water.
36. To grow/produce a single orange takes 13.8 gallons of water.
37. One watermelon requires 100 gallons of water to grow/produce.
38. To make a loaf of bread, from field to table, uses 150 gallons of water.
39. To grow/produce ONE tomato requires 3 gallons of water.
40. It takes 35 gallons of water to grow/produce rice.



## More Water Trivia Questions

41. How much water is used to produce one egg?
42. How many gallons does leaky faucet waste?
- 43-50. Can you list ways to conserve water each day?



## More Water Trivia Answers

41. You need 120 gallons to produce ONE egg.

42. A drippy faucet with even a slow drip wastes 10 to 25 gallons of water. Do the math: 15 drips/minute = 3 gallons of water wasted/day = 65 gallons wasted/month = 788 gallons wasted/ year!

43-50. You can conserve water in many ways. Can you think of more?

- Check household faucets for leaks.
- Keep showers to 5 minutes or less in length.
- Keep a pitcher of water in the refrigerator.
- Sweep your driveway or sidewalk instead of using a hose and water.
- Wash your bike or the family car with a bucket, then rinse quickly.
- Water your lawn at night or in the early morning to avoid evaporation.
- Better yet, plant a garden on your lawn.
- Use water only when you need it.
- Don't leave water running; be sure to turn it off when you are finished.
- Stop putting undesirable things into the water supply.
- Value water. Start today!



# Watershed Agricultural Council

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The average New Yorker uses  
125 gallons of water per day.

That's **25** of these 5-gallon containers  
**PER DAY!**





If you placed all of  
the Earth's water into  
a one-gallon jug –  
the seas, oceans, rivers,  
streams, ponds, glacial ice, snow,  
potable and polluted waters –  
The amount of water suitable  
to drink would fit into one teaspoon.

