I ♥ NY WATER

WATER QUIZ ANSWER KEY

1. What activities require using water?
   • Answer – e. all of the above

2. True or False: Rain/Liquid water is formed in clouds.
   • True. When lots of water drops come together in the sky, they form clouds. When the drops become very large, it rains.

3. How much of Earth’s water is safe to drink?
   • Answer – c. 1%

4. What is the journey of water from liquid, to vapor, to liquid again called?
   • Answer – b. Water cycle

5. Where does drinking water come from? Choose two answers.
   • Answers = a. Groundwater/d. Rivers

6. Once water goes down the drain or is flushed down the toilet, what is it called?
   • Answer – d. Wastewater

7. True or False: Bottled water is safer to drink than tap water.
   • Answer – False. Tap water is regulated by the EPA (Environmental Protection Agency) and that agency does more stringent and frequent testing than the FDA (Food and Drug Administration) the agency that regulates bottled water.

8. True or False: Bottled water can be bottled from public drinking sources, i.e. from the tap.
   • True. Almost 40% of bottled water is actually bottled tap water that costs 1,000 times more for the same water you can drink from your own sink!

9. True or False: It takes about 1.39 liters of water to package 1 liter of bottled water.
   • True, according to the Water Footprint Network because water is used to drill for oil to make the bottles and to create their packaging.

10. What percentage of disposable water bottles gets recycled?
    • Answer = b. 30%
11. In New York State, who oversees public water systems?
   • Answer – Department of Health

12. In New York State, who oversees wastewater treatment plants?
   • Answer – Department of Environmental Services

13. What are disposable water bottles made of?
   • Answer – e. Plastic or its specific name, polyethylene terephthalate (PET)

14. How many ounces (oz.) are in 1 cup (c)?
   • Answer – c. 8 oz.

15. What is the element sometimes added to New York State drinking water that prevents tooth decay?
   • Answer – a. Fluoride

16. True or False – Water that comes out of your kitchen sink and garden hose are provided from the same source.
   • True. Water supplied to homes, whether to your garden hose, kitchen faucet or bathroom sink are provided from the same source.

17. How many people does the largest wastewater treatment plant in New York serve?
   • Answer – d. 1,000,000 people

18. In the U.S., on average, how many gallons does each person use per day?
   • Answer – d. 80-100 gallons. This includes activities such as brushing your teeth, flushing the toilet and taking a shower.

19. True or False – New York City has the largest unfiltered engineered public water system in the world! It serves 9 million people!
   • Answer – True! Which is why we should all drink tap water!

20. How many public water systems are there in New York State?
   • Answer – c. 9,500

21. What is the chemical composition of water?
   • Answer – H₂O – 2 Hydrogen atoms bound to a single Oxygen atom
22. How long does it take for a Polyethylene terephthalate (PET or PETE) disposable plastic bottle to biodegrade?
   • Answer – e. According to several sources, it takes anywhere from 450-1,000 years for a disposable plastic bottle to decompose but a PET or PETE bottle never biodegrades!

23. How many disposable plastic water bottles are drunk in the US each second?
   • Answer – D. 1,500 per second

24. Out of 50 billion water bottles that are bought each year, how many end up in landfills and are not recycled?
   • Answer – 80%. According to Graphic Design Firm MSLK, creator of the water-based project, Watershed, an alarming 80% of 50 billion bottles (that’s roughly 40 billion bottles) end up in landfills and are not recycled!

25. How many barrels of oil are used in the production of bottled water each year?
   • Answer – According to Graphic Design Firm MSLK, creator of the water-based project, Watershed, 17 million barrels of oil are used to produce disposable water bottles water each year, oil that could be used to power homes or fuel cars!