

Water Wonders— Water Cycle, Weather, Conservation

The more familiar your students are with what they will learn and experience, the better their understanding. To prepare your class for this program, or to follow-up our presentation and reinforce learning concepts, Colorado Springs Utilities suggests conducting a pre/post test to gauge knowledge (see last page) and the following helpful resources:

Answer Key for Pre/Post Test (see last page for test)

1. d; 2. d; 3. c; 4. c; 5. b; 6. d; 7. b; 8. a; 9. B; 10. Shut off the faucet while brushing teeth or washing hands, take 5 minute showers, wash full loads of laundry and dishes, fix leaks, etc.

- Please share your pre/post test results with us! Email us at publicoutreach@csu.org

Online Videos and Websites

Colorado Springs Water System/ Laboratory

- Every day, snowmelt comes streaming down from the mountains that is captured for your water supply. We have six facilities working around the clock to treat it and supply it to your home. Our [Water Quality Laboratory](#) tests the water to make sure it's safe (2:08 minute video).

Water Amounts on Earth

- Watch this [video](#) by *Crash Course Kids* on the percentage of fresh water on Earth (4 minutes).

Water Cycle Information

- [Thirstin's Water Cycle](#). Student educational water cycle animation tool provided by the Environmental Protection Agency.
- [Discover Water](#) interactive website from Project Wet that supports education about the water cycle, ecosystems, and water conservation.

Stormwater

- [H2O Jo Takes a Ride through a Storm Drain](#). A kid-friendly video following a drop of water through the water cycle, his adventures as rain water runoff, showing how polluted water affects water quality (8 minutes).

Water Conservation

- [Let's go save water](#) – a fun PUB water conservation animation (1:20 minutes):



Water Education Kit

- Colorado Springs Utilities supports educators within our service area by providing a free Water Education Kit for check-out. Make your own cloud-in-a-bottle to reinforce weather concepts, conduct experiments to show water properties, or play the Incredible Journey Water Cycle Dice Game with your students. These, and several more experiments, are included in the Water Education Kit that comes with free consumables. [Email us](#) or call (719) 668-4621 to reserve.

Book Recommendations (from Pikes Peak Library District) -

- *A Cool Drink of Water* by Barbara Kerley 363.61 K39C
 - Poetic text and vibrant National Geographic photography bring home the point of people's common need for water by depicting folks from around the world collecting, chilling, and drinking water.
- *All the Water in the World* by George Ella Lyon J551.48 L991A
 - Introduces young children to the water cycle with simple text and illustrations.
- *Follow the Water from Brook to Ocean* by Arthur Dorros J551.48 D716F
 - This picture book describes the earthbound segment of the water cycle, beginning with melting snow on a mountain and following the resulting brook as it flows into a stream, a river, and finally the ocean.
- *A Drop of Water* by Gordon Morrison J508.M879D
 - Follow a drop of water's journey through nature.
- *The Wonders of Water* by Melissa Stewart J553.7 S851W
 - Introduces the characteristics and importance of water through text, illustrations, and activities.
- *Did a Dinosaur Drink This Water?* by Robert E. Wells J551.48 W455D
 - The author explains the complete water cycle and also discusses ocean currents, ocean and lake habitats, and hydroelectricity. He touches on water pollution and our responsibility to keep our water clean.
- *Water* by John Woodward J553.7 W911W
 - Eyewitness Books—Water provides an in-depth, comprehensive look at water and dives into every aspect of Earth's most precious resource—its chemical properties, its movement around the planet, and why it is essential for all life.
- *Saving Water* by Charlotte Guillain J333.9116 G957S
 - In this book, children learn how we use water and ways to save water.
- *How did that get to my house? Water* by Nancy R. Masters J628.1 M423H
 - Discusses the water cycle and the storage and transportation systems available for water use.
- *Do You Know Where your Water Has Been?* by Kelly Barnhill J628.1 B262D
 - Even if it looks clean, untreated water can have deadly bacteria in it. Discover the nasty effects of unclean water, and learn about the process by which clean, clear water gets to your tap.



Water Wonders Program Pre/ Post Assessment Questionnaire

NAME: _____

1. How much of the Earth's water is salty?
 - a. 25% (a quarter of it)
 - b. 53% (about half of it)
 - c. 75% (three quarters of it)
 - d. 97% (almost all of it)
2. Water can be in what state of matter?
 - a. Liquid
 - b. Solid
 - c. Gas
 - d. All of the above
3. What are the main parts of the Water Cycle?
 - a. Sun, Wind, Water
 - b. Rain, Hail, Snow
 - c. Evaporation, Condensation, Precipitation
4. What type of precipitation is the main source of your water supply?
 - a. Rain
 - b. Hail
 - c. Snow
 - d. Sleet
5. Clouds are made from water vapor that has condensed under which atmospheric conditions?
 - a) High pressure
 - b) Low pressure
6. In Colorado Springs, most of your water has travelled how far to get to town?
 - a. 10 miles
 - b. 25 miles
 - c. 40 miles
 - d. 100 miles
7. To conserve water means you will:
 - a. Use as much as possible
 - b. Save water by using it wisely
 - c. Not use any water
8. What uses the most water inside your home?
 - a. Flushing the toilet
 - b. Washing clothes
 - c. Taking a shower
 - d. Washing dishes
9. How many days a week should you water your lawn during the summer?
 - a. 1 – 2 days
 - b. 3 days
 - c. 4-5 days
 - d. Every day
10. Write down ways that you and your family can use water wisely:

