

Water Facts Activity Book



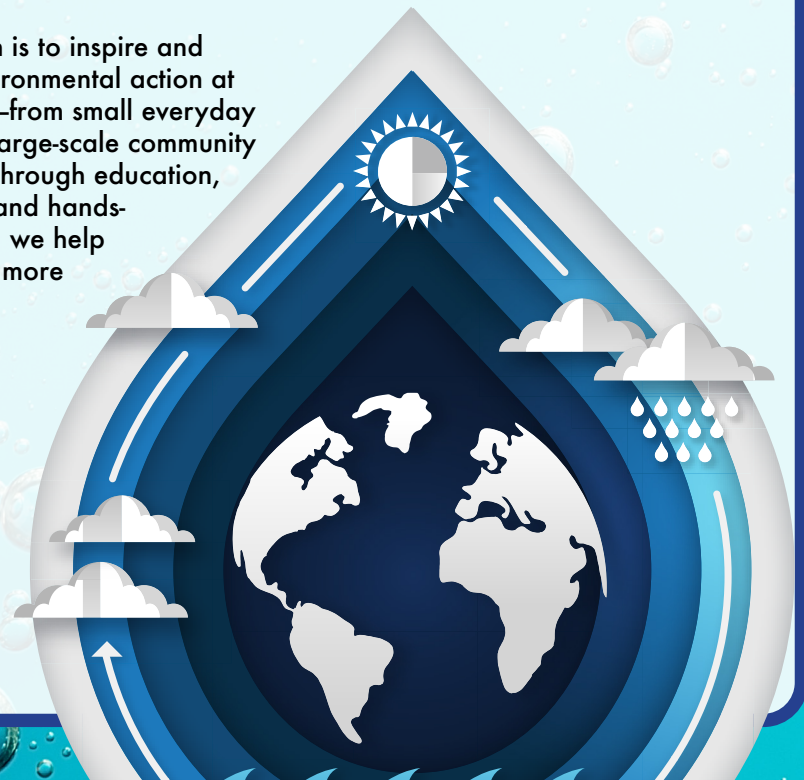


GREEN EARTH ACTION FOUNDATION

At the Green Earth Action Foundation, we are a global non-profit organization founded in Switzerland in 2023, dedicated to creating a future where people and the planet thrive together. We stand for sustainability, inclusion, and peace, and we believe that empowering individuals and communities is key to building a better world.

One of our top priorities is water access and sustainability. We work to protect freshwater ecosystems, promote responsible water use, and support communities in building lasting solutions to water scarcity. Clean, safe water is a human right—and our current campaign is focused on turning that belief into reality.

Our mission is to inspire and enable environmental action at every level—from small everyday choices to large-scale community initiatives. Through education, advocacy, and hands-on projects, we help people live more sustainably and protect the Earth's most vital resources.



Climate Action Conversations Ep. 4:

The Hidden Cost of Water Waste

A webinar was held on the 24th of June 2025 featuring five expert speakers discussing water scarcity and water conservation. Learn how everyday actions affect ecosystems and discover practical ways to reduce your water footprint and make a lasting difference for the planet.



Ojonugwa Yahaya

Founder, Oaklight Care Gateway Foundation

"In every drop of water, there's a story. Mine began with struggle. I want others to begin with access, safety, and joy."

Tarteel Jaafar Mohamed Salih

Academic Advisor, Abu Dhabi University

"Water scarcity is not just about limited supply – it's about how wisely we choose to value, manage, and protect what sustains life."



Alicia Dauth

Water Assurance Technical Lead, Water Security Collective

"Conserve our water while we still have it – because water doesn't just come from the tap. It flows through nature, communities, and generations and it needs our stewardship efforts at every step for every drop."

Pascal Vuichard

Corporate Sustainability Consultant, Ernst Basler & Partner

"Water is not just a resource— it's a risk and an opportunity for sustainable business."



Dr. Bapon Fakhruddin

Water Sector Lead, Green Climate Fund (GCF)

"Water has woven everything together—our ability to withstand climate change impacts, grow enough food, and live without conflict."

Ojonugwa's story



Ojonugwa lives in the village of Ojokpachi-Odo in the Omala Local Government Area of Kogi State in North Central Nigeria. She narrated her lived experience of water scarcity where she and her sibling had to trek over 6 kilometres every day, especially during dry seasons, in order to access unclean water from dried-up local streams. In her words, "During the dry season when water scarcity reaches its peak, when the stream dries up and wells do not get to produce enough water, life in the village becomes as hard as you can imagine. We have to walk several miles – beyond 6 kilometres – in search of water. Women and girls set out as early as 3:00 AM or as soon as the cock crows to go in search of water, carrying touch lights in their hands. Women use cutlass to dig shallow ponds in the moist part of the stream, which is now dried, then wait patiently for the water to gather before scooping it with a little bowl into a larger round container/basin which is equivalent to 25 litres keg."

What are the consequences of water scarcity?

There is no gainsaying the many negative impacts of water scarcity. From Ojonugwa's perspective, it affects everything about her life because of contraction of avoidable waterborne diseases such as cholera or diarrhoea leading to high mortality rate of many children under five. At least 800 under five children, mostly from developing countries, die everyday from diarrhoea linked to unclean and lack of water. Young children like Ojonugwa skip school when they are menstruating because they cannot access water in their schools for hygienic menstruation. In fact, sometimes staying at home does not resolve the problem as they may still not have access to water after searching for several hours. There are occasions when women and children skip other productive engagements such as trading or farming in order to search for water without any guaranteed success. UNICEF states that 1.42 billion people face issues of water across the world while 450 million of them are children.

The point is that children are the most vulnerable to water scarcity.

What causes water scarcity?

70% of earth's surface is covered with water but only 3% is fresh water from which agriculture takes up 70% which means that there is limited availability of water for domestic uses. There are other issues such as mismanagement of water and wastages. However, I have observed that the biggest cause of water scarcity is climate change which greatly reduces the little available fresh water. Climate change and global warming lead to droughts to the point that over 80% of the farmland in Sub-Saharan Africa has been affected by soil degradation caused by drought. This impact is visible in the picture below. There is also rising sea levels which salinates the freshwater. The point is that the main cause of water scarcity is the emission of carbon dioxide (CO₂) and greenhouse gas emissions which cause climate change and global warming culminating in water scarcity.

THE WATER CYCLE

The amount of water in the world today is the same water that existed hundreds of years ago. In fact, the water keeps going around and around and around in what is known as the "Water Cycle."

These are the main parts of the Water Cycle:

- Evaporation
- Condensation
- Precipitation
- Collection

How does the earth naturally recycle water?

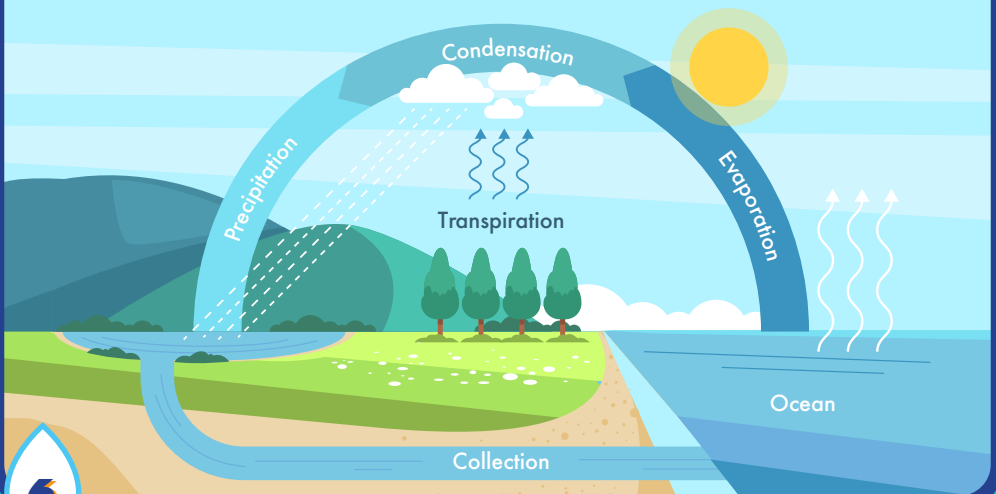
Evaporation: The heat and energy from the sun warms the water from rivers and oceans causing it to evaporate or turn into water vapour. The water vapour then leaves the rivers and oceans and travels into the air.

Condensation: The water vapour that goes into the air then gets cold and changes back to liquid, forming clouds. This is known as condensation.

Precipitation: Precipitation takes place when the more and more water vapour cools in the clouds and water droplets begin to form. The water droplets become so large that the clouds get heavy and can no longer hold them and the drops fall from the sky in the form of rain.

Collection: When the water from precipitation falls from the sky to the earth it falls back into rivers, oceans and may end up on land. This water is then heated by the sun which starts the Water Cycle again.

THE WATER CYCLE





WATER CHALLENGE!



Join the Water Conservation Awareness Challenge!

This June, take action to protect our planet by embracing water-sustainable solutions!

Whether it's collecting rainwater, fixing leaks, using eco-friendly appliances, or reducing water waste—every drop counts.



Post your water-saving actions online using #SAVEEVERYDROP and tag @geaforg on instagram. Challenge friends, family, and followers to do the same. Let's inspire a wave of change—your small action can spark a global movement.

Together, we can secure a healthier, greener future.

Start now. Share your solution. Tag others.



Join Us. Be the Change!

14 EASY WATER SAVING TIPS FOR THE HOME



1. Shower with less

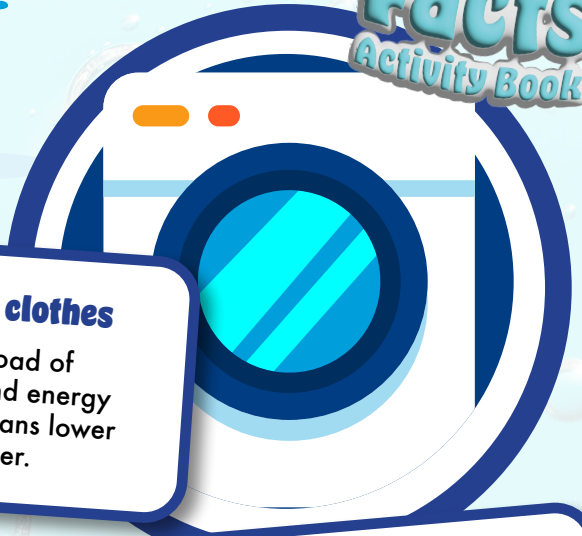
Every minute you spend in a power shower uses up to 17 litres of water. Set a timer on your phone to keep your showers short, sweet and water-saving.



2. Turn off the taps

Don't let your water consumption run out of control. Save 6 litres of water a minute by turning off your tap while you brush your teeth.





3. Save up your dirty clothes

Washing a full machine load of clothes uses less water and energy than 2 half-loads. This means lower bills as well as saving water.

4. Turn off the tap while you brush

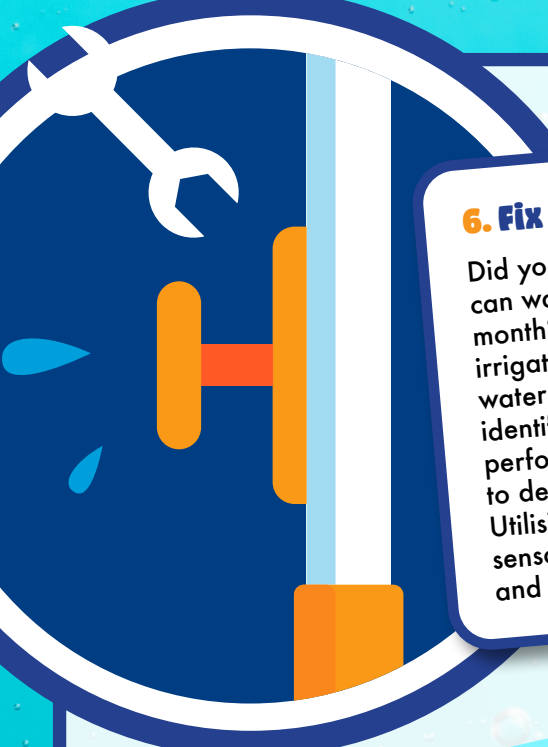
Every minute you leave the tap running wastes up to 10L of water. 8 out of 10 people have adopted the habit of turning the tap off while they brush their teeth. Have you?



5. Water plants in the morning

Watering plants in the morning (while it's still cool), allows the water to run down into the soil to reach the roots of the plants without losing too much water to evaporation in the process.





6. Fix leaks and dripping taps

Did you know that a single dripping tap can waste hundreds of litres of water every month? Leaks, whether in taps, pipes, or irrigation systems, are a major source of water waste. Businesses should prioritise identifying and fixing leaks promptly and performing regular maintenance checks to detect and repair any potential leaks. Utilising technology such as leak detection sensors can provide real-time monitoring and help prevent water loss.

7. Collect rainwater

Use rain barrels to collect water for outdoor use.



8. Boil only what you need:

Avoid filling the kettle to the maximum if you only need a small amount of hot water. This prevents wasting water and energy heating more than necessary.



9. Use the bathroom trash can

Another measure to save water is to place a trash can in the bathroom in order to prevent any garbage from being flushed down the toilet.

10. Re-use pasta or leftover cooking water

Instead of pouring the hot pasta water down the drain, save it in a tub, wait for it to cool, and then use it to water your plants. Don't pour hot water onto plants—this might harm or kill them! Similarly, save the water you used to wash your rice for this same purpose.



11. Reduce flush frequency

Only flush when necessary, and consider if a quick flush is sufficient for certain situations.



12. Avoid running the tap for a glass of water

Put a bottle in the refrigerator to stay cold.



13. Steam vegetables

If possible, steam vegetables instead of boiling them to use less water.

14. Go to a car wash instead of washing your car at home

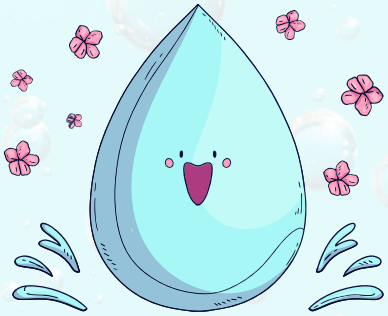
Some car washes use low-flow washing systems that are better for the environment than if you hosed your car at home. If you've saved up enough shower water or rainwater though, you could use it to wash your car at home!



Water Word Scramble

Unscramble the water words below:

1. NRIA _____
2. IDKRN _____
3. VEAS _____
4. SDUOLC _____
5. NAECO _____
6. QILUDI _____
7. ARWET _____

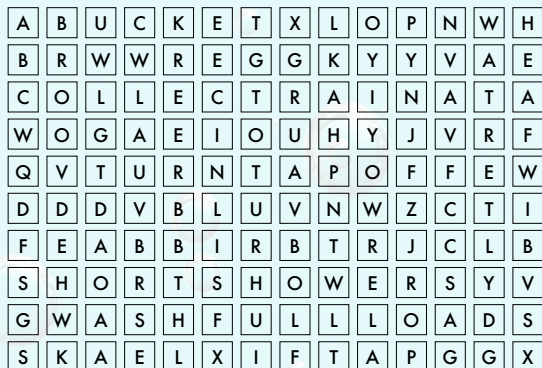


Answers to Water Word Scramble:
 1. Rain 2. Drink 3. Save 4. Clouds
 5. Ocean 6. Liquid 7. Water

Water Word Search

Find all these easy ways to save water:

1. Short Showers
2. Fix Leaks
3. Collect Rain
4. Wash Full Loads
5. Turn Tap Off
6. Bucket





Please print out, colour me in and have some fun.



Be Part of the Solution!

Follow us on social media to stay updated on future webinars, environmental tips, and stories from global communities.

Get involved in upcoming projects, themed campaigns, and our Community Action Circles (CACs)—where local ideas meet global impact.

Join the movement. Share the message. Take action. Whether it's changing your daily habits, supporting clean water initiatives, or spreading awareness, you can make a difference.

Watch now [The Hidden Cost of Water Waste](#)

Contact us

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**Let's turn conversation into conservation.
Together, we can protect water
for a living planet.**



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