

Clean Water

– Every Drop Counts

Welcome! Today, we'll explore why clean water is essential and how we can all help protect this vital resource.

 **by Gabi Dernulovec**



Water in Our Lives

Think - Pair - Share

- **Daily Uses**
What do we use water for every day?
- **Potential Pollution**
How might daily activities pollute water?
- **Defining Clean**
What does 'clean water' mean to you?
- **Impact of Dirty Water**
What happens when water is dirty?

Goal: Activate your prior knowledge and spark curiosity about water's role in our lives.





Why Clean Water Matters



Health Essential

Vital for human well-being.



Agriculture Support

Feeds crops for food.



Hygiene Foundation

Critical for cleanliness.



Ecosystem Stability

Sustains natural environments.

Globally, 1 in 3 people lack safe drinking water, making scarcity a growing issue. Let's understand the bigger picture.

The Water Cycle & Pollution



Precipitation

Rain, snow, or hail.



Collection

Gathering in lakes, rivers, oceans.



Evaporation

Water turning into vapor.



Condensation

Vapor forming clouds.

Pollution Sources:

- Daily use chemicals
- Agricultural runoff

- Industrial wastewater
- Microplastics
- ...

Pollution affects water quality and human health.

Global Water Access & Monitoring

Unequal Access

Women and children often walk miles.

Increasing Stress

Climate change, overuse.

Watch:

[The Water Crisis \(YouTube\)](#)

WaterSense App

Tracks home water use.

Dropcountr App

Monitors consumption.

My Water App

Promotes mindful use.

Tip: Try installing a water monitoring app after class!



What is a Water Footprint?



Hidden Water

Total water used for products/activities.



Direct + Indirect
Combined water use.

Surprising Uses
Examples below reveal hidden water.

Surprising Examples:

Cotton T-shirt **2700L**

Hamburger **2400L**

Activity – Match the Water Footprint

Worksheet Task

Match items to their water footprint.

1. Apple
2. Hamburger
3. Pair of jeans
4. Cotton T-shirt
5. Chocolate bar (100g)
6. One sheet of A4 paper
7. 1 cup of coffee
8. Egg
9. Glass of milk
10. Slice of bread
11. Smartphone
12. Pair of leather shoes
13. Banana
14. Bottle of soda (0.5L)
15. 20 ChatGPT prompts

Discussion Prompt

"Which items surprised you the most?"

- Reflect on choices
- Understand impact



Experiment – Water Filtration Challenge



Build a Filter

Simple water filter in groups.



Gather Materials

Bottles, cotton, sand, gravel, carbon.



Use Dirty Water

With soil and leaves.

Goal: Understand natural filtration and get creative!

Reflection and Group Talk



Filter Effectiveness

How well did your filter work?



Challenges Faced

What difficulties arose?



Reduce Water Footprint

How to save water at home?



Class/School Actions

Ideas for collective water saving?



Take Action

Active Citizenship Take Action!

Personal Water Pledge

Commit to shorter showers, less meat, tap off.

Create a Poster

Raise awareness for school display.

Film a Short Video

For school social media.

"Every drop counts." Water is life.
Let's use it wisely, protect it actively, and inspire others.
Thank you for being part of the solution!