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.





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 wellbeing.



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

Pollution affects water quality and human health.

- Industrial wastewater
- Microplastics
- ...

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.

용 00

Direct + IndirectCombined 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

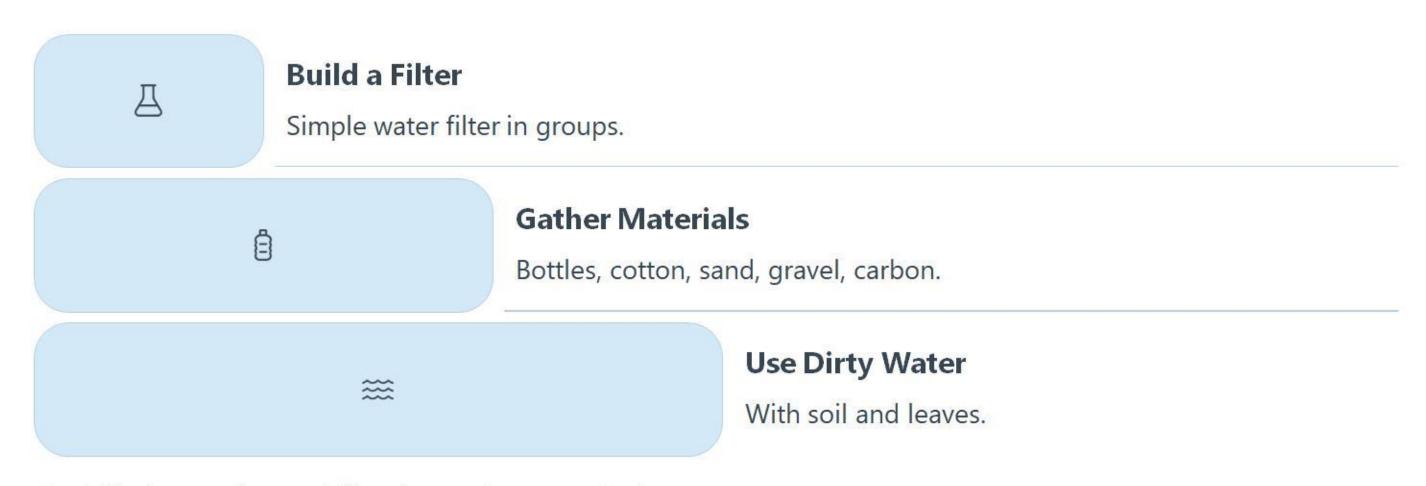
Discussion Prompt

"Which items surprised you the most?"

- Reflect on choices
- Understand impact



Experiment – Water Filtration Challenge



Goal: Understand natural filtration and get creative!



Reflection and Group Talk

Filter Effectiveness

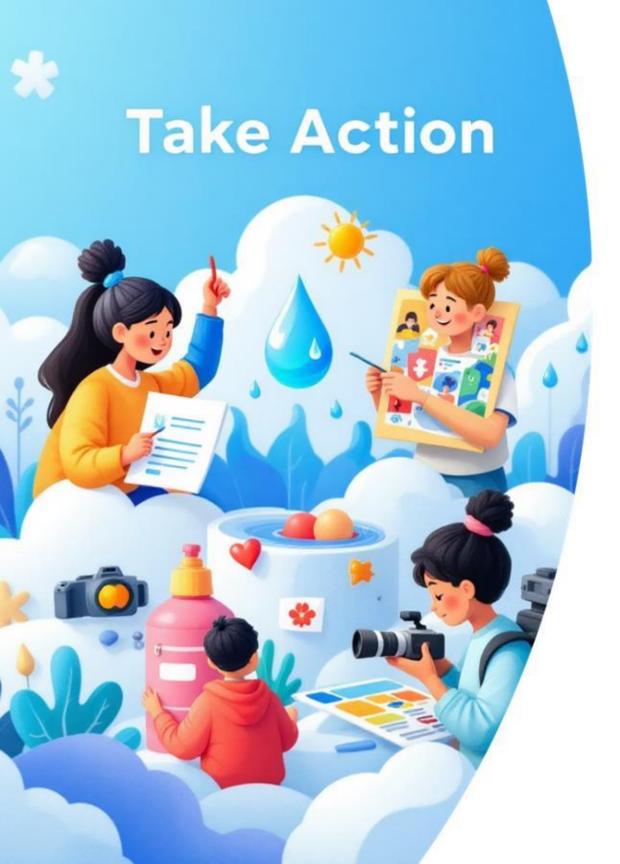
How well did your filter work?

? Challenges Faced
What difficulties arose?

Reduce Water Footprint

How to save water at home?

Class/School Actions
Ideas for collective water saving?



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!