Water Conservation Student Capture Sheet

Guiding Questions
What are the various ways humans use water?
Why is it important to conserve water?
What are some ways we can conserve water?

Engage
List at least 6 ways you use water in your daily life.

Explore and Explain

Part 1: Safe Water Documentary: While you watch the short documentary, answer the following questions:
1. Give at least two reasons why safe freshwater is not available to many people around the world.

2. Why is having safe freshwater a big concern?

3. What are some solutions to this problem?
Part 2: Analyze the Data: Discuss the data with your group and record three facts you learned from this data. You will share these with the class.

Evaluate
1. Review your original list of ways you use water (Engage). List more ways you use freshwater that you didn’t think of before this lesson.

2. What are some ways you can conserve freshwater in your daily life?
Note: Units are cubic meters per person per year, but most important to look at is the comparison between countries – red means more water use, green means less.
How Much Water Do We Use?

Source: American Water Works Association Research Foundation, "Residential End Uses of Water," 1999

U.S. Freshwater Withdrawals (2005)

- Other Publicly Supplied Users: 5.4%
- Domestic: 8.5%
- Industrial: 5%
- Aquaculture: 2.6%
- Thermoelectric Power: 41.5%
- Irrigation: 37%

*Livestock and Mining combined use approximately 1% of total use and are not included


Water & Population

Average Water Availability Per Capita (m³)

World Population (billions)

Data Unavailable

1950 1975 1995 2025 2050

Sufficiency, Stress, Scarcity

Percentage of the world population living under conditions of relative sufficiency, freshwater stress, and freshwater scarcity

2050

Source: discoveryeducation.com