

Project: Water Quantity, Who Needs Water?

Now that you have been introduced to the **drinking water treatment cycle** and the importance of a **safe and clean water supply**, you might be wondering:

“Where does all the water go?”

Aside from industry and manufacturing, most of the water is used by **you and me** in our daily activities.

Activity Goal:

This activity will help you **understand how much water you and your family use** in a typical day.

Instructions:

1. Ask members of your household how many times per day they perform each of the activities listed below (include yourself).
2. Record the number of times each activity occurs per day in the **"Times/Day"** column.
3. Use the water consumption values provided to calculate the **total water use** for each activity.
4. Fill out the table and calculate your household's **total daily water usage**.

HINT:

- **Shower Water Usage:** Multiply the **shower length (in minutes)** by **2** (since the average shower uses **2 gallons per minute**).
- **Grand Total Calculation:** Add all of the values in the **"Total Water Use"** column to find the household's total daily water consumption.

By completing this activity, you'll gain a better understanding of how much water your household uses each day and the importance of **conserving water** where possible!

Household Water Usage Table

Activity	Times/Day	Water Used (Each Time)	Total Water Use (Multiply previous columns)
Bath		50 gallons	
Shower*		2 gallons/min	
Teeth Brushing		1 gallon	
Hands/Face Washing		1 gallon	
Face/Leg Shaving		1 gallon	
Dishwasher (Machine)		20 gallons/load	
Dishwashing (By Hand)		5 gallons/load	
Clothes Washing (Machine)		10 gallons/load	
Toilet Flush		3 gallons	
Glasses of Drinking Water		1/16 gallon (8 oz. glass)	

TOTAL: _____

Uses of Water




Drinking


Aquatic Life


Swimming


Fountains


Bathing


Construction


Plants


Industries


Cleaning floors


Cooking


Washing Utensils


Farming