

Water Web Workout 2 | Daily Water Use

WEBSITE

<http://www.swfwmd.state.fl.us/conservation/thepowerof10/>

OBJECTIVE

Determine how much water you use every day.

ASSIGNMENT

This assignment focuses on the valuable resource water. Practice working with the water calculator and see that a few small changes can make a big difference in the amount of water a typical family uses. To begin this experiment, click on the number of times you use water. You will see a small blue window underneath each picture. When you click on the triangle there, you can change the number to represent the amount of water you use. Your final total will appear to the right of the screen under *Daily Water Use*.

QUESTIONS

1. What was your total Daily Water Use?
2. Where did you use water the most?
3. Where did you use water the least?
4. What is the difference between the amount of water you used the most and the amount you used the least?
5. How will you make changes in your daily life to lower your daily water usage?

EXTENDED ACTIVITIES

1. In Ethan’s family, they have been using energy efficient products and devices. Let’s see if the high-efficiency showerheads, low-flow toilets and other devices really make a difference. We will compare the water use of Ethan’s family with the water use of his friend Ryan, and his family.

Enter the values below into the Water Use Calculator used in the earlier questions. When you finish, calculate how many gallons Ryan’s family would save if they reduced their water use by 10%.

Water Use	Times Used	Ethan’s Family	Ryan’s Family	Difference
Shower	4 showers per day	106 gallons	202 gallons	96 gallons
	12 minutes			
Bath	2 baths per week			
Toilet Flush	8 per day	13 gallons	32 gallons	19 gallons
Running Water	30 minutes	45 gallons	120 gallons	75 gallons
Dishes by Hand	30 minutes	45 gallons	120 gallons	75 gallons
Dishwasher	3 loads per week	2 gallons	5 gallons	3 gallons
	4 gallons per load			
Laundry	2 loads per week	8 gallons	12 gallons	4 gallons
Lawn Watering	3 cycles per week	300 gallons	395 gallons	95 gallons
	60 minutes per cycle			
Outside Water	90 minutes per week	193 gallons	193 gallons	0 gallons
Pool	60 minutes per week			
TOTAL	Daily Gallons	712 gallons	1,079 gallons	367 gallons
TOTAL	Weekly Gallons	4,984 gallons	7,553 gallons	2,569 gallons
TOTAL	Monthly Gallons	19,936 gallons	30,212 gallons	10,276 gallons
TOTAL	Yearly Gallons	259,168 gallons	392,756 gallons	133,588 gallons

Parents: The link for this activity serves to enhance the information located in the *Student Workbook*. The website chosen for this assignment provides realistic, current information, while contributing to your student’s knowledge and understanding about the topic.