

Shower Estimation

Calculate and conserve for this experiment.

What You Need

- · a bucket
- · a measuring cup
- · a watch or timer



Americans use an average of 25 gallons of water per shower. How do you compare? Try the following tips to save water. Limit your shower time to five minutes. Ask your parents to install a low-flow showerhead that sprays less water than a regular showerhead. Put an empty bucket in the shower with you to catch overflow, then use the water for plants. You'd be surprised how much water you can save!

0	Next time you shower, time how long it takes.
	la couron

_ minutes per shower

	la manu	arhead and run the w	rater for	
2	Hold a bucket under your shows	up to figure out how	, many cu	rbs
	Hold a bucket under your shows 30 seconds. Use a measuring Cl	usket Then figure	out how m	nany
	collected in the b	dellos		
	cups of water you use in I min	nte.	s in I mi	

cups in 30 seconds $\times 2 =$ cups in 1 minute

3 Now figure out **how many** cups of water you use when you take a shower.

number of cups in I minute X _____ minutes

per shower = _____ cups per shower

4 Figure out how many gallons of water you use in your shower. (There are 16 cups in 1 gallon of water.)

cups per shower ÷ 16 = _____ gallons per shower

5 Use the water from this experiment to water indoor or outdoor plants.



Now it's time for you to experiment. How many gallons of water would you use if you turned the shower off when you soap your body or lather your hair and turn it on again to rinse? Choose one thing to change (that's the variable) and predict what you think will happen and why. Then test it out and send your results to ZOOM.

Visit the ZOOM Web site and enter your Shower Estimation results at pbskids.org/zoom



Chart Your Water Usage

Measure and record how much water the people living in your house use when they shower.

Name	Time in Shower	Gallons of Water Used



Who used the most water? Who used the least?

Find the average amount of water used in a shower at your house. Add together all of the gallons of water used. Now divide this number by the number of people who showered. The average amount of water used per shower =



Send an e-mail: pbskids.org/zoom/sendit

Then instantly print out a copy of ZOOMerang—a newsletter filled with cast trivia and lots of fun ZOOM activities.



Or, send a letter:

ZOOM Box 350 Boston, MA 02134

Don't forget to include your name and return address so we can send you a copy of ZOOMerang.







PBS