



## EXPERIMENT 18: Shower-Tub

Challenge: Find out which saves more water:  
a shower, or a bath!



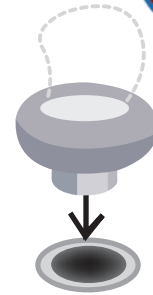
### WHAT YOU NEED:

- Bath crayons in two colors (if bath crayons are not available, a water resistant tape may be used)

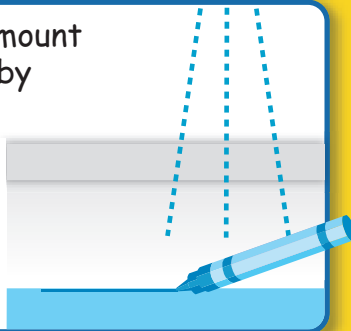


### STEP-BY-STEP:

1. For one week, have each member of your family plug the drain when taking a shower.



2. Measure the amount of water used by marking the water level on the side of the tub with a crayon. Use only one color for marking shower levels.



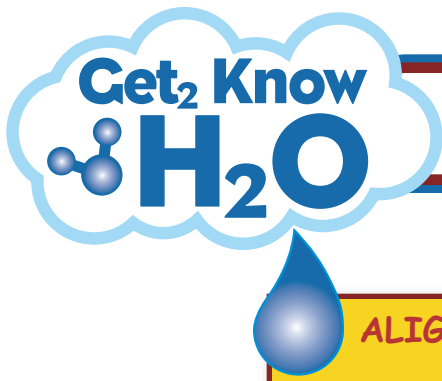
3. The next week, have each person take a bath instead of a shower. Measure the amount of water used in the same way. This time use the other bath crayon.



### QUESTIONS:



- Compare the amount of water used for baths and showers for each member of your family. Which saved more water and energy in your house?



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## Instructor's Guide

**ALIGNMENT WITH ILLINOIS STATE BOARD OF EDUCATION GOALS**

<b>State Goal 11:</b> Section A: 2a, 2b, 2c, 2d, 2e and 2f	<b>State Goal 13:</b> Section B: 2f
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**WHAT'S HAPPENING?**  
Students need to know that water is not an unlimited resource, and that in one way or another, their parents are paying for that water. With that in mind, we all take personal responsibility for how much water we throw down the drain.

**WHAT COULD GO WRONG?**  
Make sure the families understand that this really is a homework assignment.

**LINKS**  
[www.NEED.org](http://www.NEED.org)

**CREDITS**  
The NEED Project PO Box 10101 Manassas,  
VA 20108  
800-875-5029

**WHAT ELSE CAN KIDS LEARN?**  
**A drop here, a drop there-it all adds up**  
Have the students think about what other things they consume that can add up quickly. Chips? Soda pop? Text messages?

**YOUR FEEDBACK**  
Were the instructions clear? Did the class stay interested? Email us at [feedback@Get2KnowH2O.org](mailto:feedback@Get2KnowH2O.org) and let us know what you think. We would like to share your suggestions with other teachers and give you credit for your great ideas!