

# Saving Hot Water

**Grade Levels:**

**4-6**

**Question:**

**Does it save more water to take a shower or a bath?**

**Possible Hypotheses:**

**It takes more/less water to take a shower than a bath.**

**Materials:**

**A bathtub with a shower**

**Bath crayons - 2 colors (If a bath crayon is not available, tape may be used.)**

**Procedure:**

1. Have each member of your family plug the drain when taking a shower for one week.
2. Measure the amount of water used by marking the water level on the side of the tub with the crayon. Use 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.

**Analysis and Conclusions:**

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

**WHICH USES  
MORE WATER  
SHOWER  
OR BATH  
????**

