

Name \_\_\_\_\_  
 School \_\_\_\_\_



## Home Water Audit

This home water audit will give your family an idea of how much water your household uses daily. Your family will need to help you gather some of the answers for this audit. Answer only the questions that apply to your house. (This home water audit had been adapted from St. Johns River Water Management District's Family Water Use Survey).

### Household Information:

#### Type of Dwelling

- Detached single family residence
- Town house residence
- Condominium residence
- Apartment residence

Does your dwelling have an individual water meter?

- Yes
- No

Number of adults living in home: \_\_\_\_\_

Number of children living in home: \_\_\_\_\_

Number of toilets: \_\_\_\_\_

Number of showers: \_\_\_\_\_

Dishwasher?  Yes  No

Clothes washer?  Yes  No

### Water Use:

1. **Showers:** How many showers does your family take a day? About how long is each one? Add the figures and fill in your answer.

$$\frac{\text{number of showers}}{\text{Number of Minutes}} \times \text{_____} = \text{Total shower time per day}$$

2. **Baths:** How many baths does your family take a day? A half-full tub is about 18 gallons, a full tub is about 36 gallons. Add the figures and fill in your answer.

$$\frac{\text{number in family}}{\text{Number of baths}} \times \text{_____} = \text{Total baths per day}$$

3. **Toilets:** How many times a day does your family flush the toilet? (The average is four flushes per person.) Add the figures and fill in your answer.

$$\frac{\text{Number in family}}{\text{Flushes per day}} \times \text{_____} = \text{Total flushes per day}$$

4. **Tooth Brushing.** Most family members brush their teeth at least twice a day for about two minutes each time. Leaving the faucet on while brushing your teeth wastes a lot of water. How often does you family brush?

$$\frac{\text{Number in family}}{\text{Number brushes per day}} \times \text{_____} = \text{Number of brushes per day}$$

$$\frac{\text{total brushes per day}}{\text{X 2 minutes each brush}} = \text{Total brushing time per day}$$

5. **Hand Dishwashing.** How many times a day does your family wash dishes by hand? About how long does the water run each time?

$$\frac{\text{Times dishes Washed per day}}{\text{Minutes water run}} \times \text{_____} = \text{Total washing time per day}$$

6. **Dishwasher.** Answer this question only if you have a dishwasher. How many times a week does your family run the dishwasher?

$$\frac{\text{Uses per week}}{\text{/ 7 days per week}} = \text{Average uses per day}$$

7. **Laundry.** Answer only if you have a washing machine. How many loads of laundry does your family do each week?

$$\frac{\text{loads per week}}{\text{/ 7 days per week}} = \text{Average loads per day}$$


8. **Other Indoor Water Uses.** Your family also uses water indoors in other ways. List some of these ways below.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

9. **Lawn Watering.** How many times a week does your family water the lawn? About how many minutes do you water each time?

$$\frac{\text{watering days per week}}{\text{watering minutes per day}} \times \text{_____} = \text{Total Minutes per week}$$

Analysis and Follow up for Water Usage Survey:


\_\_\_\_\_ : / 7 days per week =  Average watering time per day  
 Total watering minutes per week

10. **Other Outdoor Uses:** Your family may use water outdoors in other ways. List some of them below.

\_\_\_\_\_

\_\_\_\_\_

11. How Much water is used if each family member uses another ten gallons a day?

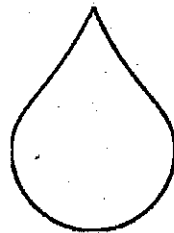
\_\_\_\_\_ X 10 gallons =  Total galls per day for other uses  
 Number in family

**FIGURE YOUR FAMILY'S TOTAL DAILY USE!**

Put your answers from the water drops on this page in the third column below. Multiply columns 2 and 3. Put your answers in column 4. This is the amount of water your family uses daily for each activity. Next, add column 4. This is the estimate of the total gallons of water your family uses daily. Put your answer in the water drop.

Water Use Activity	Gallons per Minute or Use	Minutes or Uses per day	Total Water Use per Day
1. Showers	5 gal/minute	X	=
2. Baths	36 gal/use	X	=
3. Tooth brushing	3 gal/minute	X	=
4. Toilet Flushing	5 gal/flush	X	=
5. Hand Dishwashing	3 gal/min	X	=
6. Dishwasher	30 gal/use	X	=
7. Laundry	48 gal/use	X	=
8. Other Indoor Use	Put answer from above	→	=
9. Lawn Watering	10 gal/minute	X	=

**TOTAL FAMILY WATER USE PER DAY!**



1. What was your family's total water usage per day?
2. What did your family use water for the most?
3. Compare your family's water usage to that of a partner nearby. Does your partner use more or less?
4. Why might your partner's family uses less water each day?
5. The average American household pays about \$1.50 for every thousand gallons of water. How much does your family spend on water each DAY?
6. How much does your family spend on water each YEAR? (HINT: How many days are in a year?)
7. Give two ways in which your family could use less water? (HINT: Look at where you have already been using water.)
8. Low flow shower heads release only 2.5 gallons of water per minute. If everyone in your home used only this type of shower head while showering, how many gallons of water would be saved each day?
9. How many gallons would be saved in a year if you switched to low flow shower heads?
10. How much money would be saved in a year?