

Student Water Conservation Data Collection Tables

Adapted from <https://ecosystems.psu.edu/outreach/youth/sftrc/lesson-plan-pdfs/4hwaterlion.pdf>

Follow these steps:

1. Each time you use water in a way listed on the chart, make a tally mark next to the activity in column B.
2. At the end of the day, count the tally marks for “flush toilet.”
3. Multiply the number of tally marks in column B by the number given in column C. This answer tells you the number of gallons per day you used to flush the toilet. Write this answer in column D.
4. Repeat steps 2 and 3 for the other activities in column A of the chart.
5. Add up all the numbers in column E to get the total number of gallons of water you used on your first tally day.
6. Repeat these steps on days 2 and 3 of your water use tally.

Name: _____ Date: _____

Table 1: Student's family average indoor water usage

| Water Use Task | Times Used In One Day | Gallons used per time | Gallons used per day |
|--|---|-----------------------|----------------------|
| Flush toilet | | 6 | |
| Run faucet for 1 minute (waiting for water to get hot or cold) | | 4 | |
| Fill a bathtub (about 5 inches of water) | | 40 | |
| Shower (5 minutes) | (One time recorded for every 5 minutes) | 35 | |
| Run dishwasher | | 15 | |
| Wash a load of dishes by hand (in a basin or plugged sink without water running) | | 4 | |
| Wash a load of dishes by hand (with water running) 30 | | 30 | |
| Wash 1 large load of clothing | | 45 | |
| Wash 1 small load of clothing | | 30 | |
| Brush teeth with water running | | 2 | |
| Brush teeth with water off | | 1 | |
| Wash hands | | 1 | |
| Drink water | | 0.25 | |
| Other | | | |
| TOTAL | | | |

(Table adapted from [4-H Water Conservation with the Water Lion](#))

Name: _____ Date: _____

Table 2: Student's family average outdoor water usage

| Water Use Task | Times used in one week | Gallons used per time | Gallons used per week |
|---|-------------------------------|------------------------------|------------------------------|
| Wash a car, animal, or other object (water off while soaping) | | 40 | |
| Wash a car, animal, or other object (water on while soaping) | | 180 | |
| Water landscaping before 10 am or after 6 pm (20 minutes) | | 140 | |
| Water landscaping between 10 am to 6 pm (20 minutes) | | 185 | |
| Other | | | |
| TOTAL | | | |

(Table adapted from [4-H Water Conservation with the Water Lion](#))