



HAPPY EARTH DAY APRIL 22, 2025

Make our planet healthier!

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Earth Day – April 22, 2025 – Make Our Planet Healthier!

The Earth Day celebration was established in 1970 to raise public awareness about various issues with our environment. The date of April 22, was chosen because it occurs between spring break and final exams in schools, hopefully making it possible for students to participate in activities to protect the environment. Among the issues affecting our environment is **water usage**.

One of the ways we can help our Planet Earth is by reducing the amount of water we use. How much water do you use?

The list below shows typical water usage for each activity.

Typical Water Usage/Activity

Water Intake: 6 – 8 cups (48 - 64 ounces) of water/day

Shower (8 minutes): 1.7 gallons of water/shower

Hand Washing: 1 gallon of water/wash

Face Washing: 1 gallon of water/wash

Toilet Flush: Amount of water depends on the year of toilet installation.

Installed before 1980: 5 gal/flush

Installed 1980 – 1994: 3.5 gal/flush

Installed after 1994: 1.6 gal/flush



How much water do YOU use Each Day? Each Week?

Materials:

- **Glass** (8 ounces), **measuring cup** (8 ounces), **water bottle** (8 ounces), or **thermos** (use the measuring cup or glass to identify the number of ounces in the thermos).

Note: There are 128 ounces in a gallon.

- Two Data Collection/Analyses Sheets (See attached.)
- Pencil
- Calculator or phone calculator app

WATER USAGE

Name: _____

In Table 1 below, for each day of the week, identify the number of glasses of water consumed, the number of hand washes, the number of showers, and the number of toilet flushes. Then, compute the total for each category.

Table 1

Day	Number of Water Glasses	Number of Hand Washes	Number of Showers	Number of Toilet Flushes
1				
2				
3				
4				
5				
6				
7				
Total				

WATER USAGE

Name: _____

In Table 2 below, use the data from Table 1 to identify the total number of gallons of water used each day in each category. Then, compute the total for each category.

Table 2

Day	Water Consumed	Number of Hand Washes	Number of Showers	Number of Toilet Flushes
1				
2				
3				
4				
5				
6				
7				
Total				

WATER USAGE

Name: _____

Compare your data with Typical Water Usage.

How do you compare?

- 1. In which category or categories do you match the water usage data above?**

- 2. In which category or categories do you exceed the water usage data above? By what percent?**

- 3. In which category or categories do you show less than the water usage data above? By what percent?**

- 4. In which areas, except for water consumption, how may you help to conserve water? Compare your data and percentages with others in your class.**