

WATER, WATER EVERYWHERE!

You are in charge of a water conservation awareness campaign for our school. You have surveyed the following 12 students and have determined that they brush their teeth as listed below. Use this information to estimate the water that could be conserved if they changed their water usage habits.

All students currently leave the water running at high flow for the entire time they brush their teeth.

Water usage flow rates:

- Off - 0 cups/sec.
- Low - 1 cup/10 sec.
- High - 3 cups/10 sec.

Student name:	Frequency of brushing:	Duration of Brushing:
Johnny	2 times/day	40 sec.
Suzie	after every meal	1 minute
Joanna	3 times/day	2 minutes
George	1 time/day	30 sec.
Polly	after every time she eats	1 minute 30 sec.
Heather	2 times/day	1 minute 20 sec.
Catherine	1 time/day	2 minutes
Billy	Once every other day	195 seconds
Lana	3 times/day	35 seconds
Shane	every morning	50 seconds
Uma	twice	1 minute 10 sec.
Bob	5 times/day	70 seconds