Student Name:	Date:	
How Much Wat	er Do You Use?	
You can learn how much water your house uses by reading your home meter, see the Meter Reading Guide to learn how to read a meter. In this activity, we are going to learn how to measure how many minutes of water you are using and find ways that you can conserve.		
This activity will take place over the course of two we consumption.	eeks. The first week, you will measure your	
Week 1		
A) Tally: Each time you do one of these activities, make a tally mark next to the activity.		
Shower:	Brush Your Teeth:	
Dishes by Hand:	Wash Your Hands:	
Bath:		
B) Time Yourself: Every time you do one of these activities, time how long the water runs. Separate each number by a semicolon.		
Shower:	Brush Your Teeth:	
Dishes by Hand:	Wash Your Hands:	
Bath:	All Activities:	
Calculations		
C) Total #: At the end of the week, add together the number of times you completed each of the different activities and place the total on the appropriate line below. <i>From A</i> .		
Shower:	Brush Your Teeth:	
Dishes by Hand:	Wash Your Hands:	
Bath:		
D) Total Minutes: At the end of the week, add together the minutes that the water ran for each activity and place the total on the appropriate line below. <i>From B</i> .		
Shower:	Brush Your Teeth:	
Dishes by Hand:	Wash Your Hands:	
Bath:	All Activities:	



C divided by D.		
Shower:	Brush Your Teeth:	
Dishes by Hand:	Wash Your Hands:	
Bath:	All Activities:	
F) Range: Find the lowest number of minutes and the highest number of minutes for each activity that you completed and place them on the appropriate line below in the following format: lowest-highest.		
Shower:	Brush Your Teeth:	
Dishes by Hand:	Wash Your Hands:	
Bath:		

E) Average Use: Divide the total number of minutes by the total number of times you completed that activity to calculate the average length of time the water ran per time you completed the activity.

Analysis

Look at the numbers from E and F. E shows the average length of time that water ran for each activity. F shows the shortest and longest times the water ran for each activity. How large of a gap is there in the shortest and longest times? See F.

The average shows you about how long you run water for any given activity, while the range shows you the shortest time you can complete an activity in. For the following week we will work on conservation. To conserve, try to reduce the number of times you complete an activity if possible, and the length of time it takes you to complete an activity. Ask yourself: Why did the water run for that long? Can I turn the water off more often, or complete the activity quicker?

Aim to reduce the average amount of time the water runs for each activity, and try and complete each activity closer to the shortest time you completed it in the previous week. Both your average use, and your range should be reduced.



Week 2

For the second week, you will measure your consumption and compare it to the previous week. Aim to decrease your consumption in Week 2.

G) Tally: Each time you do one of these activitie	s, make a tally mark next to the activity.
Shower:	Brush Your Teeth:
Dishes by Hand:	Wash Your Hands:
Bath:	_
H) Time Yourself: Every time you do one of these each number by a semicolon.	se activities, time how long the water runs. Separate
Shower:	Brush Your Teeth:
Dishes by Hand:	Wash Your Hands:
Bath:	All Activities:
Calculations	
I) Total #: At the end of the week, add together different activities and place the total on the app	the number of times you completed each of the ropriate line below. <i>From G</i> .
Shower:	Brush Your Teeth:
Dishes by Hand:	Wash Your Hands:
Bath:	_
J) Total Minutes: At the end of the week, add to and place the total on the appropriate line below	gether the minutes that the water ran for each activity v. From H.
Shower:	Brush Your Teeth:
Dishes by Hand:	Wash Your Hands:
Bath:	All Activities:
_	utes by the total number of times you completed that ne water ran per time you completed the activity.
Shower:	Brush Your Teeth:
Dishes by Hand:	Wash Your Hands:
Rath:	All Activities



•	the highest number of minutes for each activity that eline below in the following format: lowest-highest.
Shower:	
Dishes by Hand:	Wash Your Hands:
Bath:	All Activities:
ANALYSIS	
	erage length of time that water ran for each activity. an for each activity. How large of a gap is there in the
·	reek? Is your new average lower? Is your range lower n number in your range for week 2 close to the low
MEASURING CHANGE	
Calculate The Numbers: Look at the numbers from range. Subtract Week 2 from Week 1 and place the	3
M) Average Use: K subtracted from E .	
Shower:	Brush Your Teeth:
Dishes by Hand:	Wash Your Hands:
Bath:	All Activities:
N) Range: L subtracted from F .	
Shower:	Brush Your Teeth:
Dishes by Hand:	Wash Your Hands:
Dath:	

