A WORLD OF WATER

Describe the difference between water *quality* and water *quantity*:

List 2 reasons why we **cannot** use all of the water in the world:

If Louisville polluted the Ohio River, how would that affect our water supply?

Explain one way that Riparian habitats protect our waterways:

YOUR WATER FOOTPRINT

A water footprint is the amount of water that you use. Some footprints are larger than others. A nuclear power plant can use billions of gallons of water in a year, while an individual is going to use much less. However, different individuals are going to have different water footprints based on culture and water availability. In this activity you are going to discover your water footprint.
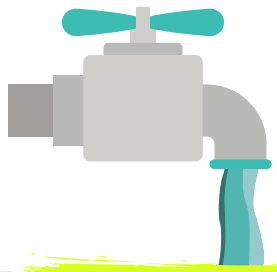
INSTRUCTIONS
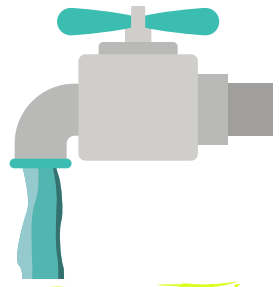
For the next week you are going to keep track of how much water you use in your everyday life.
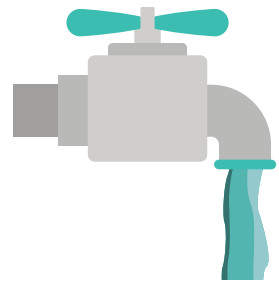
1. Keep a tally of how many times you perform an activity every day for a week. You may only wash clothes once in a week but you may wash your hands several times in a day. Record these tallies in the columns that read "Day 1-7"

2. At the end of the week, you are going to add up all the times you did each activity that week. Record this number in the column that reads "Total Times this Week"

3. Multiply the value in "Total times this week" by the value in the "Average water used in gallons" column for each row. Record the product of the multiplication in the column that reads "Total by Activity"

4. Add up all the values in the "Total by Activity" column. Record the sum in the most bottom row that reads "My Water Footprint". This is how many gallons of water you have used this past week.
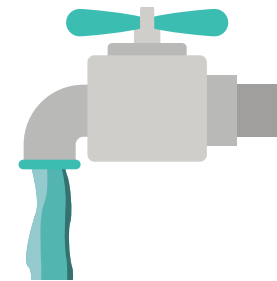
RECORD YOUR DATA
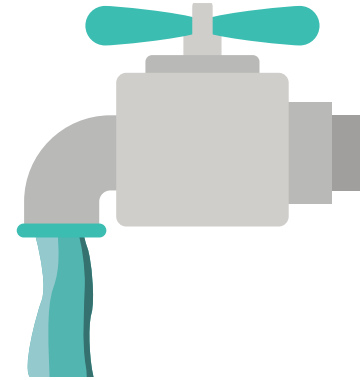
Activity	Day 1	Day 2	Day 3	Day 4	Day 4	Day 6	Day 7	Total times this week	Average water used in gallons	Total by Activity
Washing Clothes									43 gal	
Flush Toilet									4 gal	
Shower (15 min)									60 gal	
Bath									36 gal	
Brush Teeth (with water running)									20 gal	
Water Plants									.75 gal/ plant	
Wash Hands									2 gal	
Run Dishwasher									12 gal	
Wash Dishes by hand									60 gal	
My Water Footprint										_____

YOUR THOUGHTS

Name 3 things that you use water for that are not represented in the chart above:

Which of these activities is absolutely necessary and why?

What are some ways that you can conserve water?

What is your water footprint for the year? (Multiply your total by 52 weeks)

HERE'S AN EXAMPLE:

Activity	Day 1	Day 2	Day 3	Day 4	Day 4	Day 6	Day 7	Total times this week	Average water used in gallons	Total by Activity
Washing Clothes	1	0	0	0	1	0	0	(1+1) 2	43 gal	(2 x 43) 86
Flush Toilet									4 gal	
Shower (15 min)									60 gal	
Bath									36 gal	
Brush Teeth (with water running)									20 gal	
Water Plants									.75 gal/ plant	
Wash Hands									2 gal	
Run Dishwasher									12 gal	
Wash Dishes by hand									60 gal	
My Water Footprint										_____