Name: Period: Date:

Student Water Audit

Student Predictions

1. Do you think you use
   a. a lot of water daily.
   b. an average amount of water daily.
   c. a below average amount of water daily. .

2. Write down how many gallons of water you think you use daily _____.

Questions to ask an adult at home

1. Does your home have low-flow shower heads? YES NO
2. Do your bathroom sinks have a low-flow faucet? YES NO
3. Does your kitchen sink have a low-flow faucet? YES NO
4. Does your home have a greywater system installed? YES NO
5. Does your home have solar panels? YES NO
6. Does your household recycle paper? NONE SOME ALL
7. Does your household recycle plastic? NONE SOME ALL
8. Does your household recycle bottles & cans? NONE SOME ALL
9. Do you donate or reuse old clothing, sheets, blankets, and towels? NEVER, SOMETIMES, ALWAYS
10. How many miles are driven each week? _____
11. How much money do you spend on dog and cat food each month? _____
12. How many loads of laundry is done each week in your house?
13. Is the washing machine energy efficient? YES NO
14. How do you wash your dishes? By hand Dishwasher Both
15. Do you water the lawn or garden? YES NO
16. Do you have a rain barrel? YES NO
17. Do you have a swimming pool? YES NO
18. How do you wash your car? By hand Car wash Not at all

Go to the following website **https://watercalculator.org/wfc2/q/household/**

Calculate Your Water Footprint

At the end the questions on the website, write your water usage below

Drink water usage_____

Virtual water usage_____

Compare your usage with US averages

Personal: _____ gallons/day

Household: _____ gallons/day

US Average: _____ gallons/day

Water Footprint Analysis Questions

1. How is your predicted daily water use compare with your actual calculated water use? Was your estimate too high, too low, or accurate? Why do you think that happened?

2. What surprised you the most about your actual water usage

3. Which activity or item used the most water in your household footprint? Why do you think that activity uses so much water?

4. Which virtual water category (food, energy, shopping, etc.) contributed most to your total usage?

5. How does your personal and household water use compare with the U.S. average?

6. Why is it important to be aware of your water footprint?

7. Based on your results, list three actions you and/or family could take to use less water.