

Name: \_\_\_\_\_ Teacher: \_\_\_\_\_

## Home Water Conservation Audit Instructions and Worksheet

Follow the directions to fill out the data table. You may need help from an adult to conduct the Water Conservation Audit. You will need the following items to conduct the audit.

- Flow rate testing bag
- Toilet leak detection dye strips
- Optional –water bill from where you live.

1. Clothes Washer: Look for an ENERGY STAR label indicating your clothes washer. An efficient clothes washer is marked with the ENERGY STAR logo or it is less than 5 years old.
2. Kitchen faucet(s): Look for an **aerator that is marked 1.5 gpm** or, when tested, flows at 1.5 gpm or less on your kitchen faucet. An efficient kitchen faucet flows at 1.5 gpm or less. If your aerator isn't marked or you do not have one, follow the directions flow rate testing bag to measure the sinks flow rate. **Put flow test bag under the faucet, turn faucet on high for 5 seconds, read volume in the bag.**
3. Bathroom faucet(s): Look for an **aerator that is marked 0.5 gpm** or, when tested, flows at 0.5 gpm or less. An efficient bathroom faucet flows at 0.5 gpm or less. If your aerator isn't marked or you do not have one follow the directions flow rate testing bag to measure the sinks flow rate. **Put flow test bag under the faucet, turn faucet on high for 5 seconds, read volume in the bag.**
4. Showerhead(s): Look to see if your showerhead is marked 1.5 gpm or when tested, flows at a rate of 1.5 gpm or less. An efficient showerhead flows at 1.5 gpm or less. If your showerhead isn't marked follow the directions flow rate testing bag to measure the showers flow rate. **Put flow test bag under the faucet, turn faucet on high for 5 seconds, read volume in the bag.**



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5. Toilet(s): Look to see if your toilet is marked with a WaterSense label. An efficient toilet is marked with WaterSense label or indicates that the flow rate is 1.28 gallons per flush.
6. Toilet leaks: Have an adult carefully remove the toilet tank lid. Insert one blue dye strip. Wait 15 minutes. Have an adult carefully replace the toilet lid. If the water in the toilet bowl turns blue, the toilet flapper is leaking and needs to be replaced. The blue water will clear with a couple of flushes.
7. Dishwasher: Look for the **EnergyStar** logo on your dishwasher. An efficient dishwasher is it marked with the **EnergyStar** logo or less than 5-years old.
8. Water Bill: Using a water bill fill in the data table below. The bill doesn't need to be current. Your bill will be reported in CCF (100 Cubic Feet = 748 gallons), CF (Cubic Feet = 7.47 gallons), or gallons. Put N/A for the units not used. If you do not have a water bill available, you can use the water "Water Bill Not Available" tab on the Student Home Conservation Calculator.



### Worksheet - Data Tables

Household Item	Total Number
Non-energy efficient clothes washers	
Non-efficient kitchen faucets	
Non-efficient bathroom faucets	
Non-efficient showerheads	
Non-efficient toilets	
Toilets with leaks	
Non-efficient dishwashers	

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Data from Water Bill	Number
Water used in CCF	
Water used in CF	
Water used in gallons	
Number of people where you live	
Days per billing cycle (usually 60)	