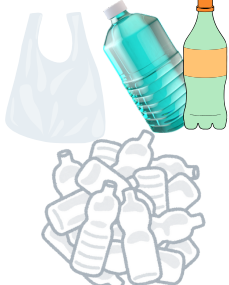
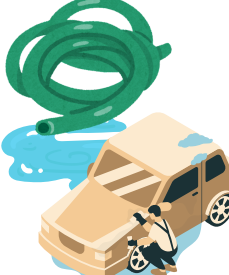




Water Wise or Water Waste?

Look at the pictures and circle the option that is waterwise:

It's just a little drip!  I must stop the leak! 	 ECO-FRIENDLY 
CAR WASH  	I'm always thirsty!  I'm drought tolerant & native 
 Pesticides & Herbicides Eco-friendly, non-toxic natural products 	It's my dog, so it's my job to clean it up!  The rain will wash it away! 
 Dispose of properly! 	 
Other ways I can help!     	



DID YOU KNOW?

Everything we use and do requires water? **Direct water use** is when we use it for drinking, bathing, or cooking. But what is **indirect water use**? This is the water that is needed to make something or used during the process of providing a service.

Put the letter "D" for the examples below that are direct water use and put the letter "I" for the examples of indirect water use. Also note how many gallons of water are used, it might surprise you!

☐

Taking a 5 minute shower (~25 gallons)

☐

To make a hamburger patty (~over 600 gallons)

☐

To make a cell phone (~3,190 gallons)

☐

Washing a car by hand (~ 100 gallons)

☐

To make a small bag of potato chips (~ 49 gallons)

☐

One pair of cotton jeans (~2,866 gallons)

☐

Using a high efficient dish washer (~4 gallons)

☐

Taking a full bath (~50 gallons)

☐

To grow 1 serving of pasta (~56 gallons)

☐

1 piece of paper (~1.3 gallons)

☐

Production of finished steel to make one car (uses ~62,500 gallons).

☐

Handwashing dishes (~20 gallons)

☐

1 Plastic water bottle (~1.4 gallons)

☐

1 cup of orange juice (~49 gallons)



Water Wise Technologies

These are things you can try to use at home!



High Efficiency Shower Head



Did you know?

The average person uses up to 40 gallons per day just by showering. That's 14,560 gallons of water per year!



Uses 2.0 gallons per minute.

Did you know?

A garden hose could release anywhere from **9 gallons to 30 gallons per minute** that water is running!



Hose nozzles save water by temporarily stopping the flow of water and you can also adjust the pressure for your need.



Hose Nozzle



Aerator



Did you know?

Aerators are found at the head of a faucet. They mix air and water together to create more pressure and to use less water.

no aerator vs. aerator



2.2 gal vs. 0.5 gal



If water flows steady with air bubbles that looks white, then you have one, but if water is clear then you may need one.

Did you know?

A toilet flapper stores water in the tank. When you flush, the handle lifts the flapper and lets water into the toilet bowl, then closes back up tightly like a door between two rooms. Flappers are made of rubber and can easily dry out causing a leak. It can **waste up to 200 gallons** a day!

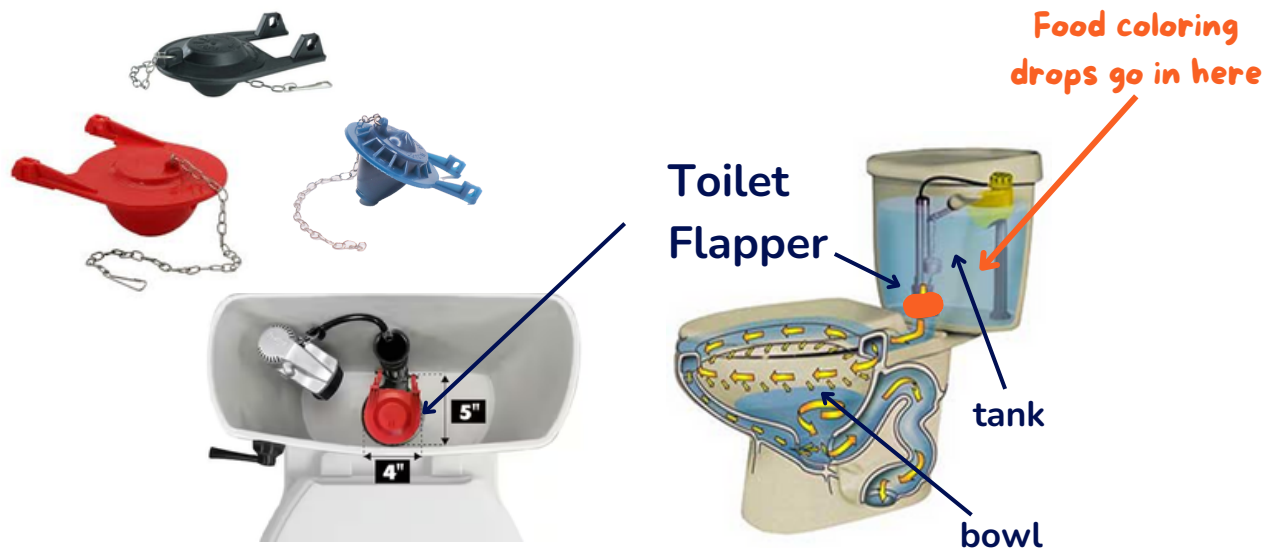
Want to be a detective and try an experiment? See how on the next page!



LIMIT LINGERING LEAKS

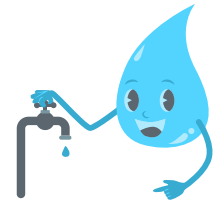
Toilet Leak Experiment:

- Let's make sure your **toilet flapper isn't leaking!**
This experiment can be done several times a year or whenever you suspect a leak.
 - With permission from an adult, you can put some food coloring in the toilet tank.
 - Set a timer and **do not** flush your toilet for 30 minutes.
 - Then go back and see if the colored water flowed into the toilet bowl.
 - If you saw any color in your bowl then your flapper is leaking and it is time to replace it.
 - With assistance, measure the size of your current flapper so you know what size to replace it with. Then your family can purchase a new one.





SUSTAINABILITY ACTIONS



Place a check ✓ next to each item **YOU**
can do to help conserve and keep our water clean.



Water plants instead of
pouring water down the
drain.



Make sure family's car
isn't leaking oil in
driveway.



Try to take shorter
showers.



Let my trash blow
away in the wind.



Pick up after my dog
and remind others to do
the same.



Be a detective and
always be aware of
possible leaks.



Bring my own reusable
water bottle.



Always use a hose
nozzle on my hose.



Plant native and drought-
tolerant plants that
belong here.



If I wash my car at
home, let the hose
run the whole time.



Run the washing machine
even when it isn't full.



Recycle whenever
possible.



Always leave the
water running when
brushing my teeth.



Don't care about the
dangerous chemicals
my family uses.

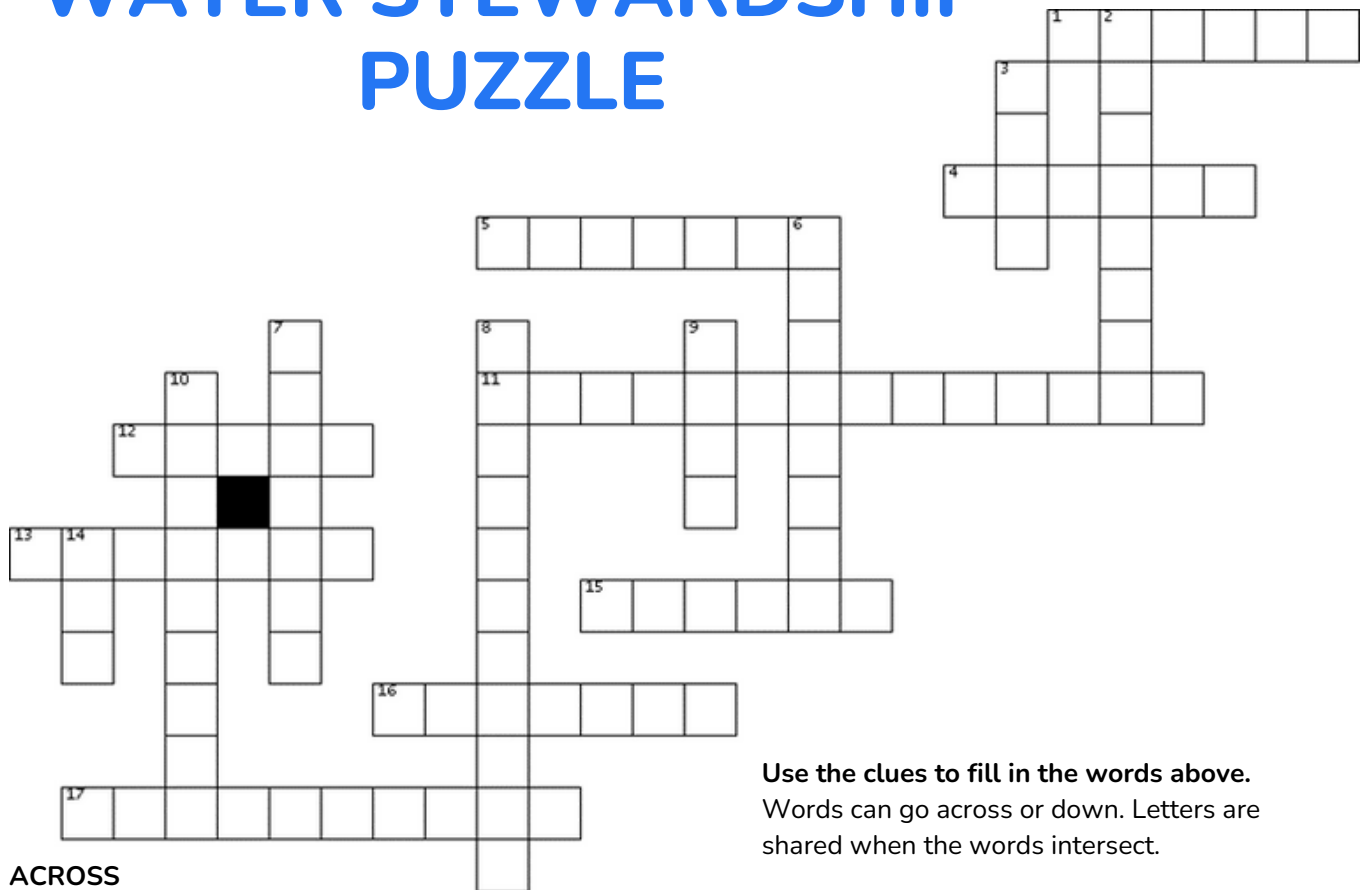
I PLEDGE to be a **water steward**, to do my best to
make smart choices and take actions that help
conserve and keep our water supply clean.

Name: _____

Date: _____



WATER STEWARDSHIP PUZZLE



Use the clues to fill in the words above.
Words can go across or down. Letters are
shared when the words intersect.

ACROSS

1. I can make sure all of my _____ goes where it belongs, either in the trash or in the recycle can.
4. What types of plants are best to put in your garden and landscape with to save water?
5. An underground bed of saturated soil or rock that yields significant quantities of water.
11. It is your _____ to pick up after your dog.
12. The water _____ is at the top of an unconfined aquifer; indicates the level below which earth materials are fully saturated with water.
13. This adds air and water together to create more pressure and use less water in your sinks.
15. While waiting for your shower to heat up or cool down, collect the water in a _____ and water your plants with it instead of letting it go down the drain.
16. Replace this in your toilet tank every so often to prevent silent leaks.
17. Chemicals like _____ and herbicides, when not used properly can poison our groundwater.

DOWN

2. Water used in the process of making something else or to provide a service is called _____ water use.
3. Even if it is dripping very slowly, a _____ can waste a lot of water and needs to be fixed.
6. A _____ bag is better than using a single use plastic bag when possible.
7. On average one person uses 120 _____ of water in a day?
8. Water found in spaces and pores between earth materials.
9. What can waste up to 9-30 gallons a minute when water is left running?
10. What materials must be disposed of properly so harmful chemicals don't get into our water?
14. What kind of _____-friendly products can you try to buy that use less water and are more sustainable for our planet?