THE UNIVERSITY OF ARIZONA
Cooperative Extension

ARIZONA
project WET
WATER EDUCATION TODAY

Answer Sheet

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.
- ✓ Try to take shorter showers.
- ✓ Pick up after my dog and remind others to do the same.
- ✓ Bring my own reusable water bottle.
- ✓ Plant native and drought-tolerant plants that belong here.
- ☐ Run the washing machine even when it isn't full.
- ☐ Always leave the water running when brushing my teeth.
- ✓ Make sure family's car isn't leaking oil in driveway.
- ☐ Let my trash blow away in the wind.
- ✓ Be a detective and always be aware of possible leaks.
- ✓ Always use a hose nozzle on my hose.
- ☐ If I wash my car at home, let the hose run the whole time.
- ✓ Recycle whenever possible.
- ☐ Don't care about the dangerous chemicals my family uses.

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

Name: _____ Date: _____

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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!

- **D** Taking a 10 minute shower (~25 gallons)
- **I** 8 oz of chicken (~330 gallons)
- **I** To make a small bag of potato chips (~ 49 gallons)
- **D** Using a high efficient dish washer (~4 gallons)
- **I** To grow 1lb of cotton (~100 gallons)
- **I** Production of finished steel to make one car (uses ~ 62,500 gallons).
- **I** 1 Plastic water bottle (~1.4 gallons)
- **I** To make a hamburger patty (~over 600 gallons)
- **D** Washing a car by hand (~ 100 gallons)
- **I** One pair of cotton jeans (~2,866 gallons)
- **D** Taking a full bath (70 gallons)
- **I** 1 piece of paper (~1,3 gallons)
- **D** Handwashing dishes (~20 gallons)
- **I** 1 cup of orange juice (~49 gallons)

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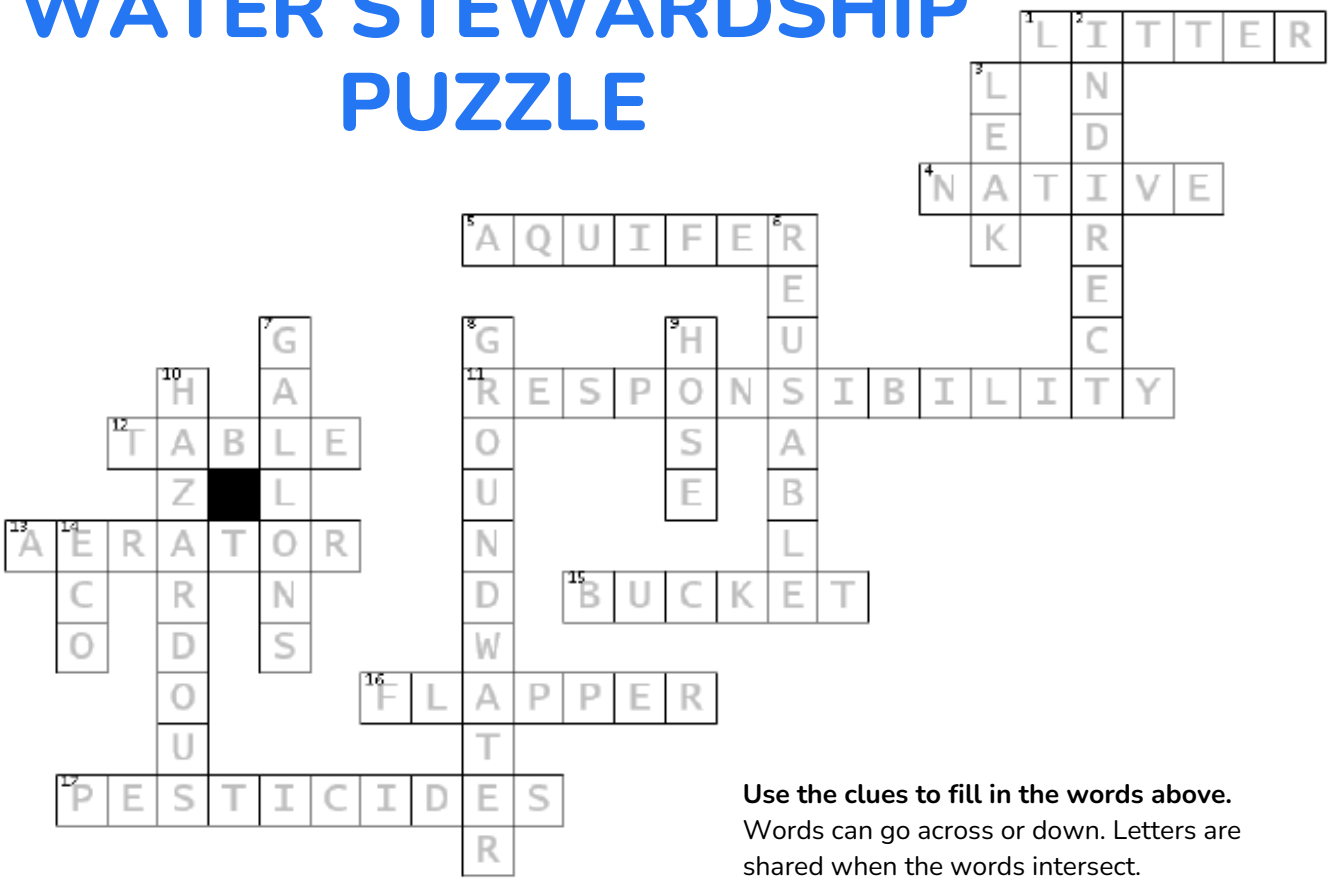
WATER STEWARDSHIP PUZZLE



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?