



High Plains Water District
www.hpwd.org

Get to Know Your
H₂O



HIGH PLAINS WATER DISTRICT ACTIVITY BOOK

WHERE DOES YOUR WATER COME FROM?



An **aquifer** is an underground geological formation of sand, soil, gravel and rock that can store and yield water.

Source:
The Groundwater Foundation

Your water comes from the Ogallala aquifer!

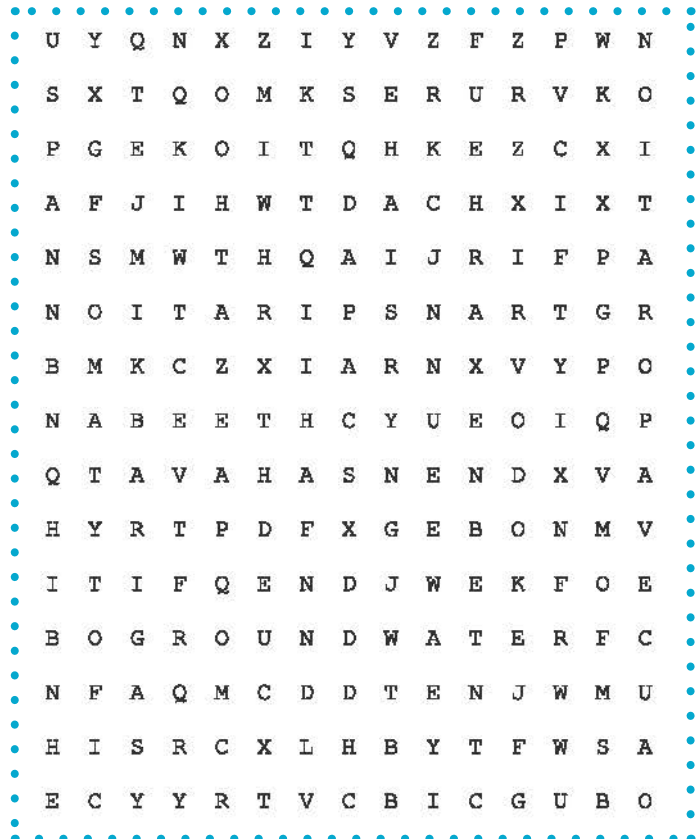
Quick facts about the Ogallala:

- It covers eight states
- Approximately 175,000 square miles
- Made up of mostly gravel, sand and clay
- 90 percent of the water pumped from the aquifer is for agricultural irrigation.
- Water is pulled out of the ground with wells

CAN YOU FIND THE WATER CYCLE WORDS?

WORD LIST:

- EVAPORATION
- PRECIPITATION
- CONDENSATION
- TRANSPIRATION
- GROUNDWATER
- RUNOFF



Want more water games?
Check this out!

www.groundwater.org/kids/games.html

WATER TRIVIA

TRIVIA:

Source: The Groundwater Foundation

1) Where does water move the slowest?

- a. Aquifer
- b. Precipitation
- c. River
- d. Faucet

2) What happens when more water is taken out of an aquifer than is put back in?

- a. Runoff
- b. Flooding
- c. Depletion
- d. Saturation

3) How much water does it take to brush your teeth with the water turned off?

- a. 5 gallons
- b. 2 gallons
- c. Less than 1 gallon
- d. 10 gallons

4) Which object uses the most water in your home?

- a. Toilet
- b. Shower
- c. Sink
- d. Washer

5) How much does a gallon of water weigh?

- a. 11 pounds
- b. 2 pounds
- c. 8 pounds
- d. 4 pounds

Answers:

▷ (5) ▷ (7) ▷ (3) ▷ (2) ▷ (1)

CONSERVATION TIPS:

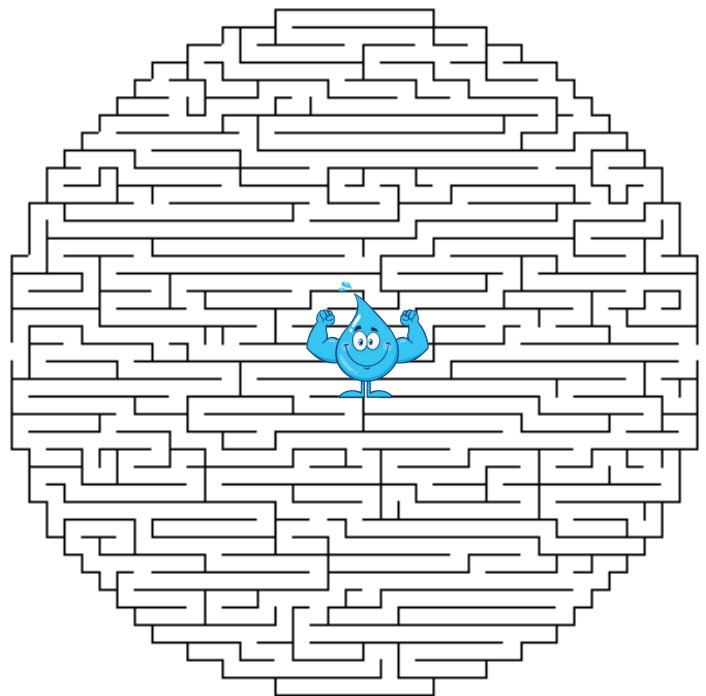
INDOORS

- Turn the water off while you're brushing your teeth and save four gallons a minute!
- Time your shower to about five minutes.

OUTDOORS

- Water your lawn early in the morning to reduce evaporation losses.
- Sweep your driveway instead of hosing it down with water.

CAN YOU GET TO THE DROP?



Save it, Don't Spray it!



HOW CAN YOU SAVE WATER AT HOME?

DRAW YOUR OWN WAYS TO SAVE!



A large rectangular area defined by a red dotted border, intended for drawing ideas on how to save water at home.