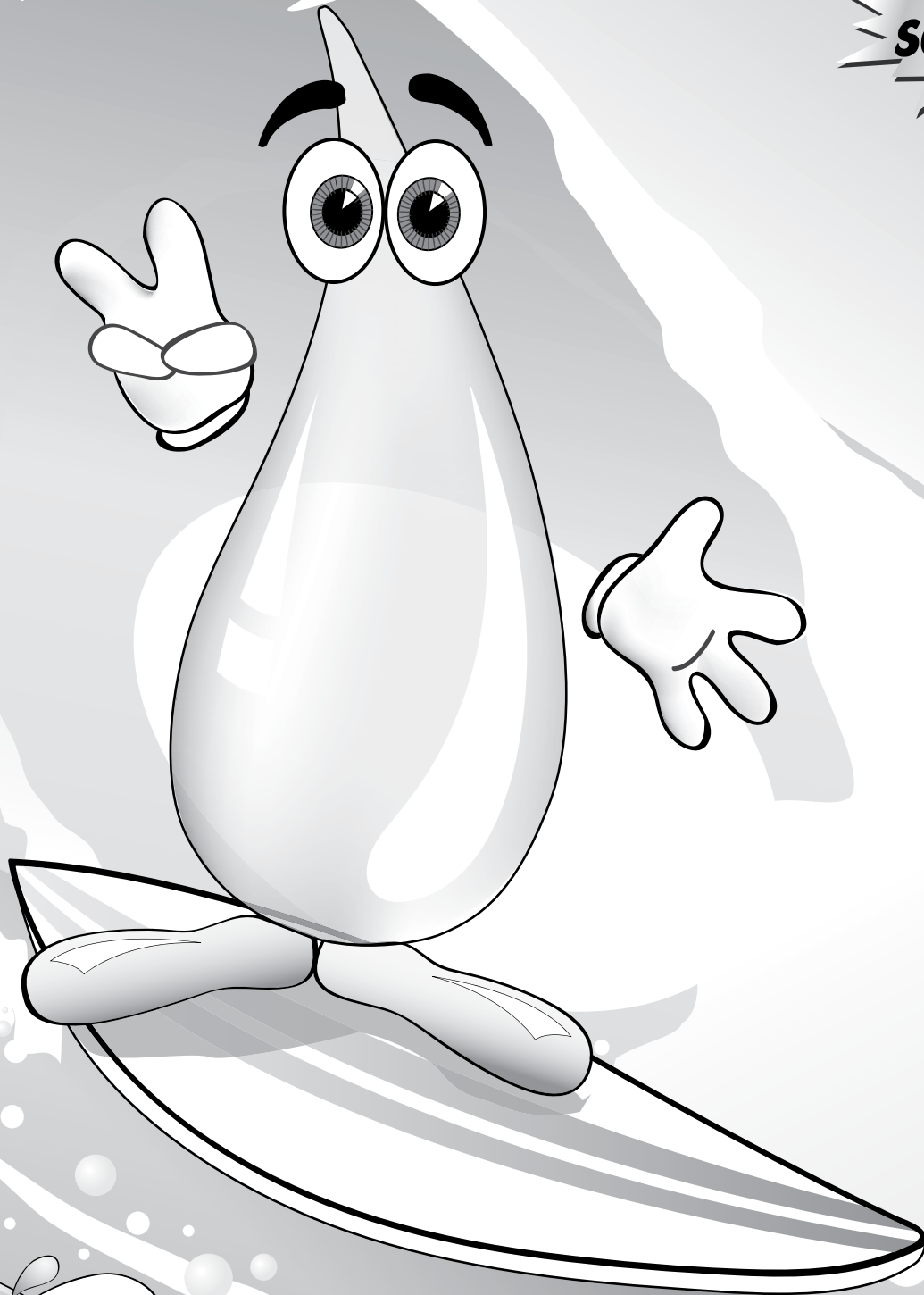



The Wet Gazette

Pinellas County Utilities Water Resources Activity Book

**The
Sequel!**



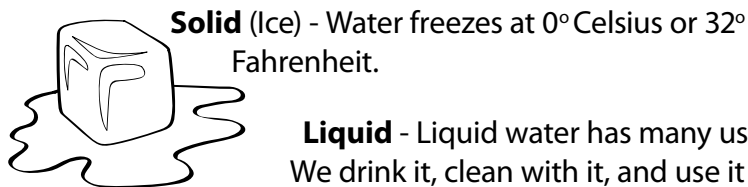
A Drop in the Bucket

How many of these drops  can you find in this activity book.
Write the number you find in the big drop above.

What is Water?

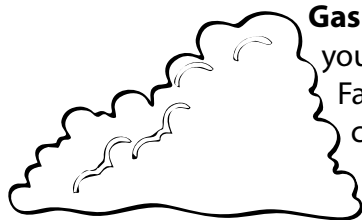
Everything is made up of tiny atoms. Water is a simple molecule made up of two hydrogen (H) atoms and one oxygen (O) atom. Its chemical formula is H_2O .

Water is the only substance on earth that exists in three different forms:



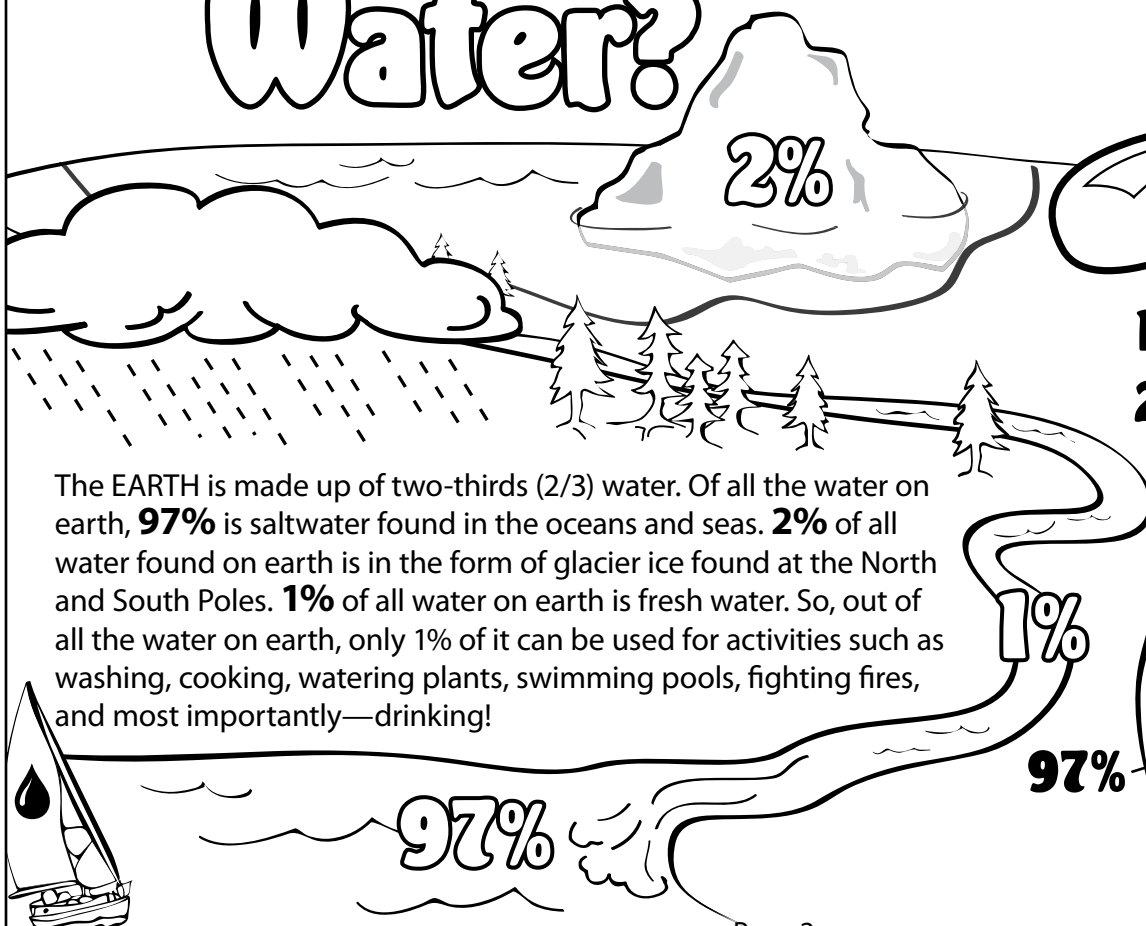
Solid (Ice) - Water freezes at 0° Celsius or 32° Fahrenheit.

Liquid - Liquid water has many uses. We drink it, clean with it, and use it to make things. Liquid water may be hot or cold.



Gas (Vapor) Water vapor is everywhere but you can't see it. Water boils at 100° Celsius or 212° Fahrenheit. When you boil water, the liquid water changes to steam. Steam and clouds are both made of water vapor that have joined tiny pieces of dust. We can see steam and clouds.

Where is Water?

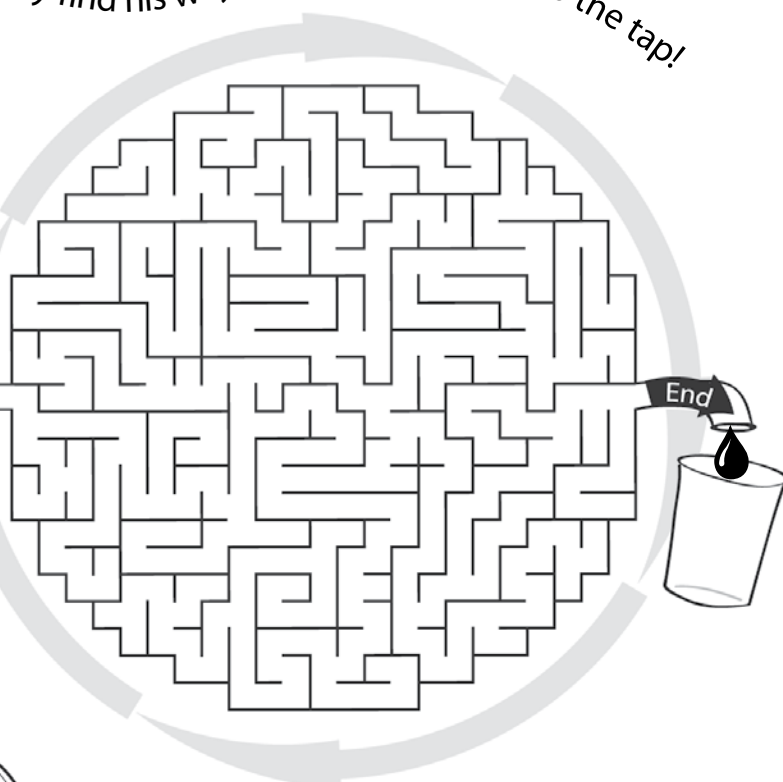
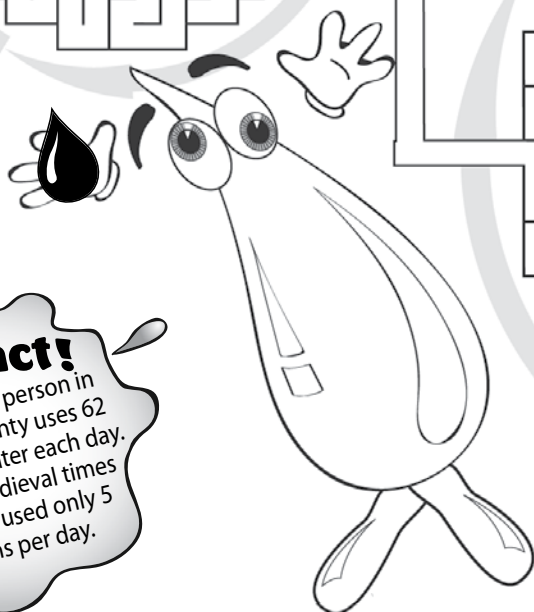
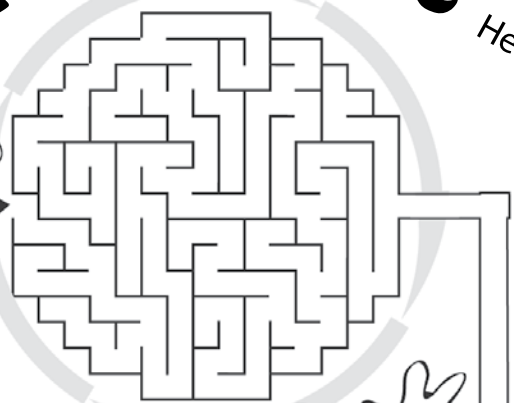


The EARTH is made up of two-thirds ($2/3$) water. Of all the water on earth, **97%** is saltwater found in the oceans and seas. **2%** of all water found on earth is in the form of glacier ice found at the North and South Poles. **1%** of all water on earth is fresh water. So, out of all the water on earth, only 1% of it can be used for activities such as washing, cooking, watering plants, swimming pools, fighting fires, and most importantly—drinking!

Maze Craze



Help Dewey find his way from the rain cloud to the tap!



Fun Fact!

The average person in Pinellas County uses 62 gallons of water each day. During medieval times a person used only 5 gallons per day.

Dewey's Decoder

Decode the words below to learn about Pinellas County's water.

1 = A	5 = E	9 = I	13 = M	17 = Q	21 = U	
2 = B	6 = F	10 = J	14 = N	18 = R	22 = V	25 = Y
3 = C	7 = G	11 = K	15 = O	19 = S	23 = W	26 = Z
4 = D	8 = H	12 = L	16 = P	20 = T	24 = X	

Drinking water in 16 9 14 5 12 12 1 19 3 15 21 14 20 25 comes from

20 8 18 5 5 water sources: 7 18 15 21 14 4 23 1 20 5 18

from the Floridan 1 17 21 9 6 5 18 , 19 21 18 6 1 3 5 water

like the Hillsborough 18 9 22 5 18 , and 19 1 12 20 23 1 20 5 18

from 8 9 12 12 19 2 15 18 15 21 7 8 2 1 25 .

Remember to 21 19 5 9 20 23 9 19 5 12 25 !

The Wonder of the Water Cycle

It Never Ends!

Match them up!

Read about the parts of the water cycle below. Then write the correct number in the waterdrops beside the **key words** in the picture.

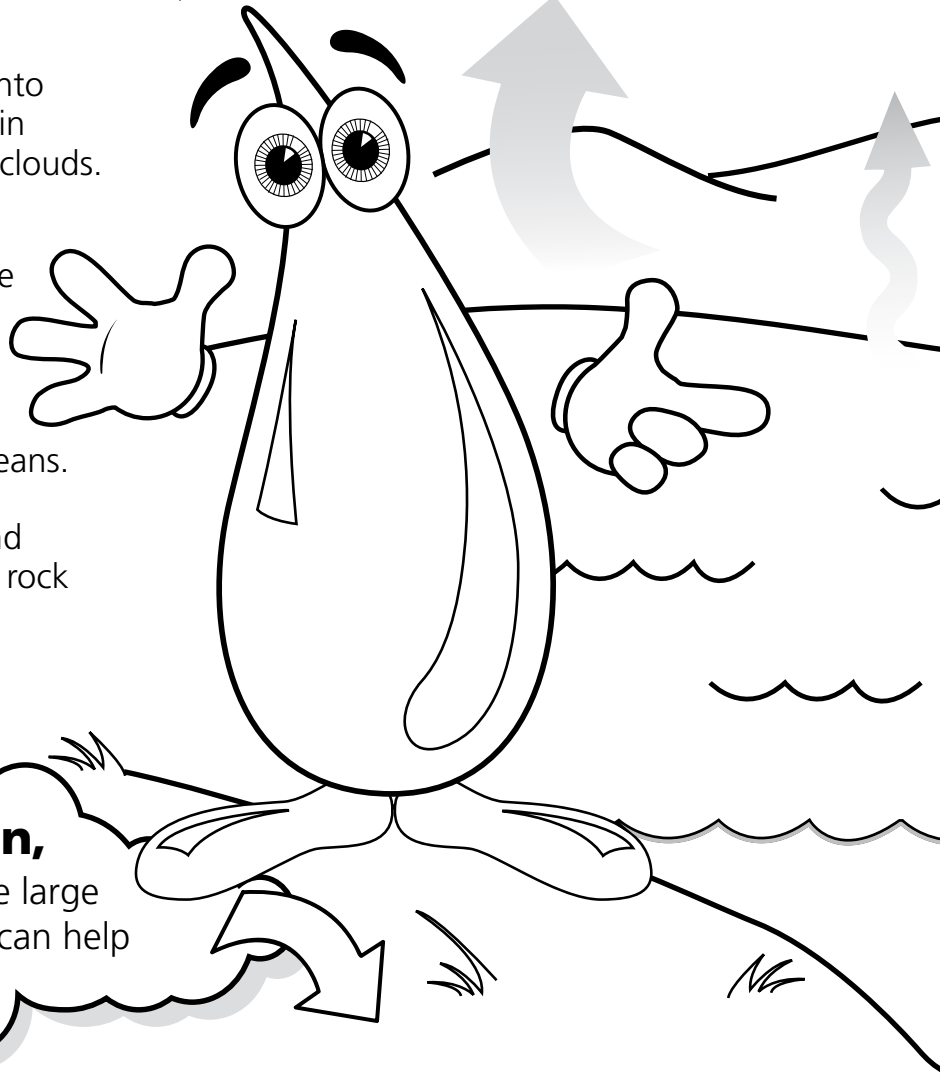
- 1** Water is heated by the sun. The water changes to vapor and rises into the air.
- 2** As it cools, the vapor turns into tiny water droplets. These join together in the sky to make clouds.
- 3** When the clouds can't hold any more water, it falls to the Earth as rain or snow.
- 4** Some water runs on top of the ground and then into lakes, streams, rivers and oceans.
- 5** Water that goes underground is stored in layers of soil and rock known as an aquifer.

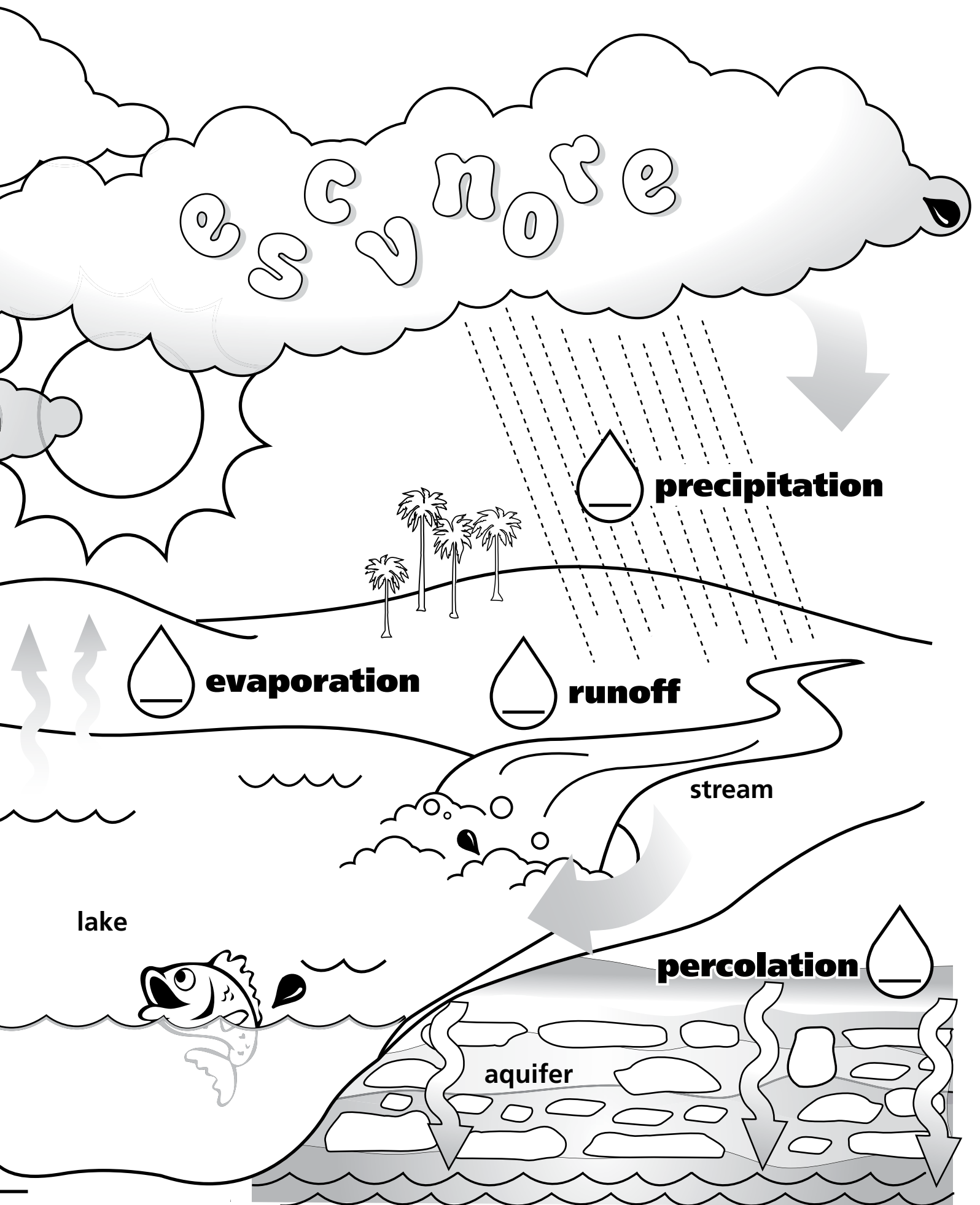
For more water fun,

UNSCRAMBLE the letters in the large cloud above to find out how you can help save your water supply.

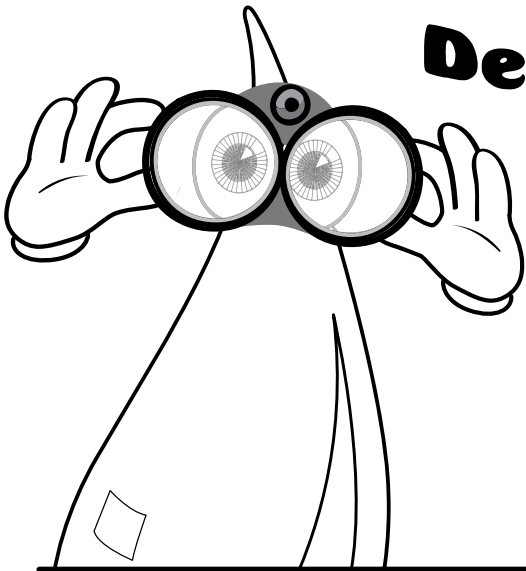


condensation





Dewey's Search for Water



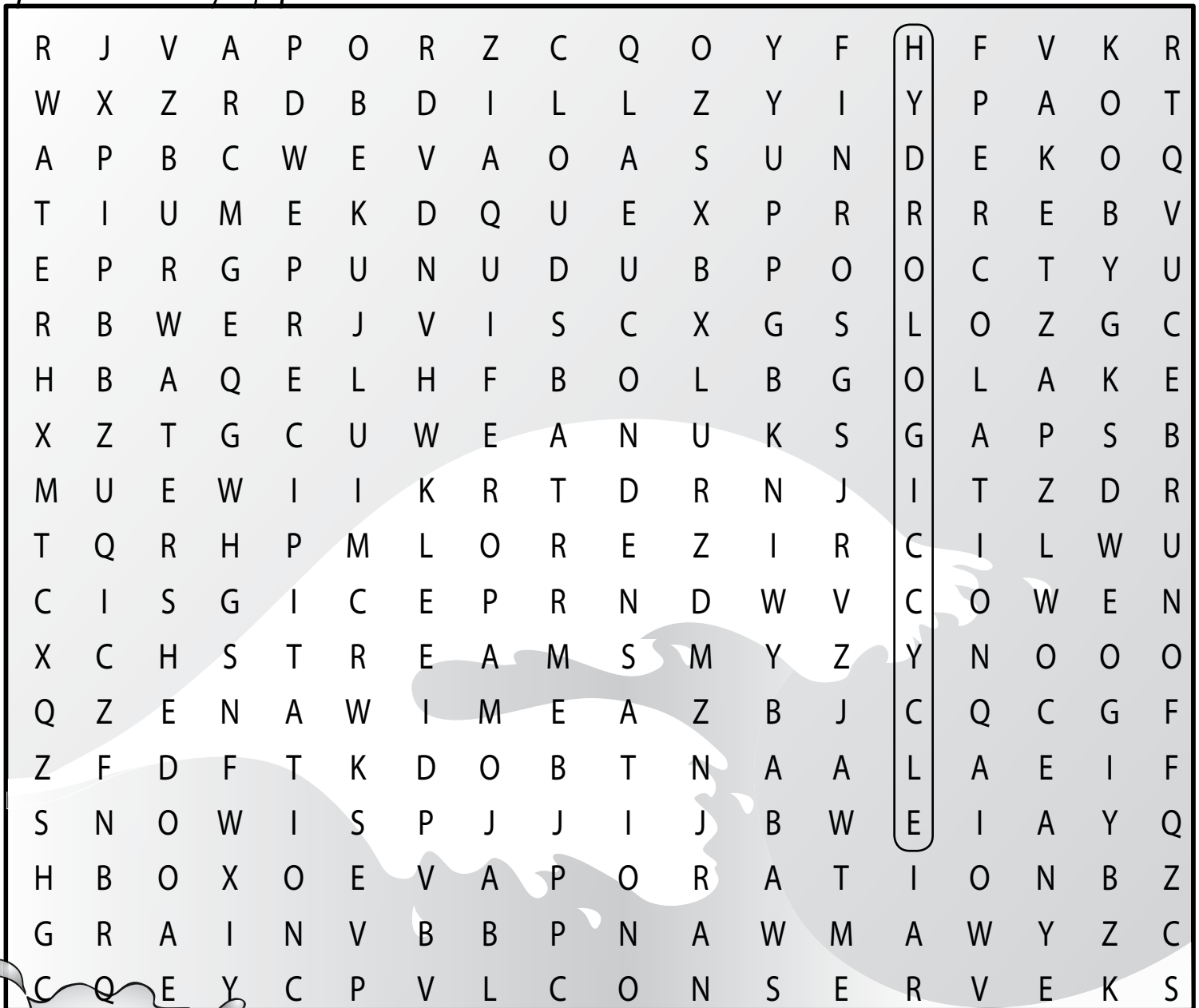
Find and circle the hidden water words floating in the sea of letters below.

Word Bank:

AQUIFER
CLOUDS
CONDENSATION
CONSERVE
EVAPORATION
HYDROLOGIC CYCLE
ICE

LAKE
OCEAN
PERCOLATION
PRECIPITATION
RAIN
RUNOFF

SNOW
STREAM
SUN
VAPOR
WATER
WATERSHED



Fun Fact!















70% of an elephant
is water!

How can YOU help conserve?

There are many ways you can save water inside *and* outside your house. Check off the items you do to help save water, then add some of your own.

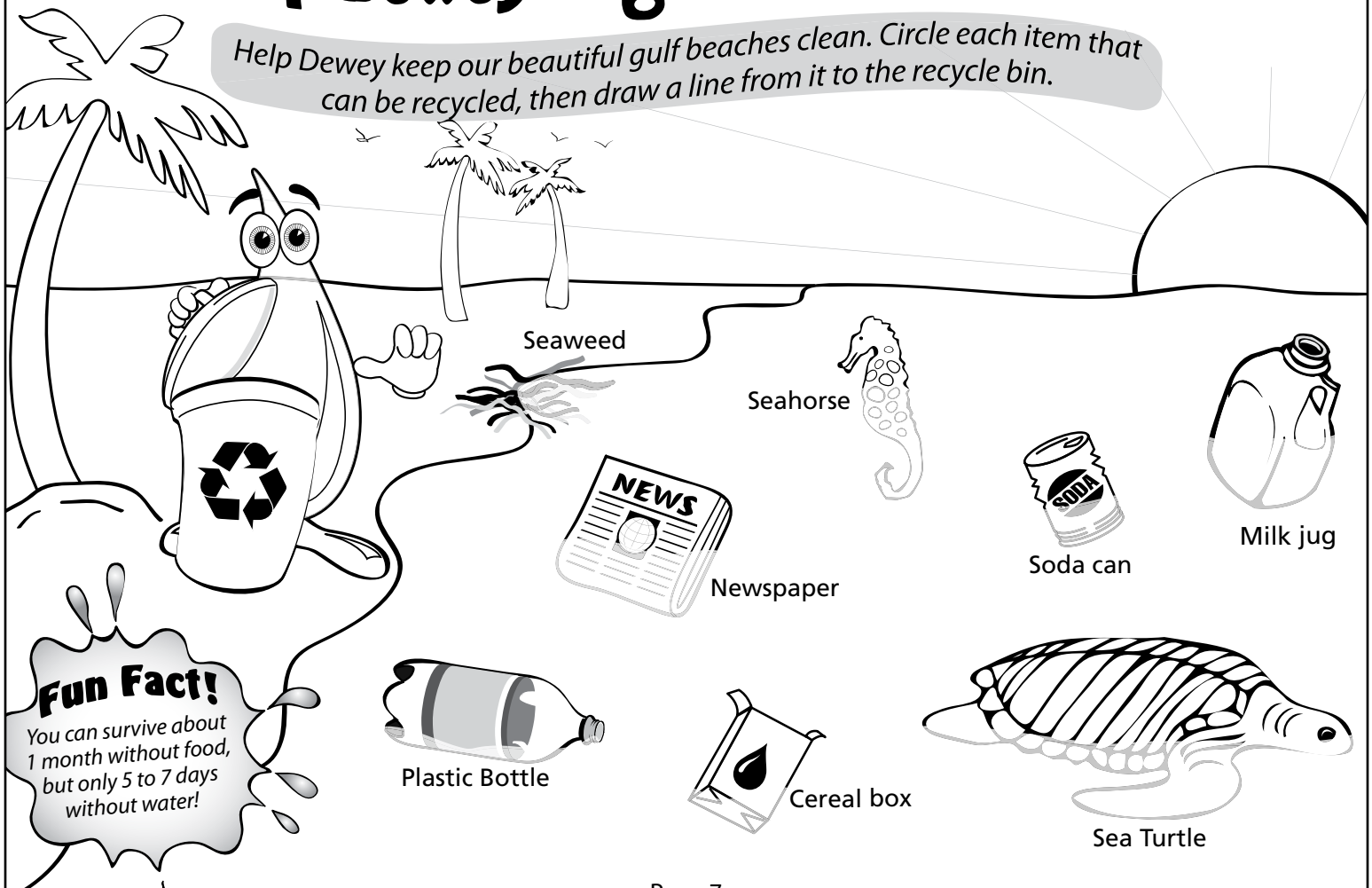
Fun Fact!

It takes 50 glasses of water to grow enough oranges to make one glass of orange juice!

	Turn off the water while brushing teeth		_____
	Wash full loads in dishwasher		_____
	Don't flush trash down toilets		_____
	Take shorter showers (5 min. or less)		_____
	Use a shut-off nozzle on the hose		_____
	_____		_____
	_____		_____

Help Dewey Fight Water Pollution

Help Dewey keep our beautiful gulf beaches clean. Circle each item that can be recycled, then draw a line from it to the recycle bin.



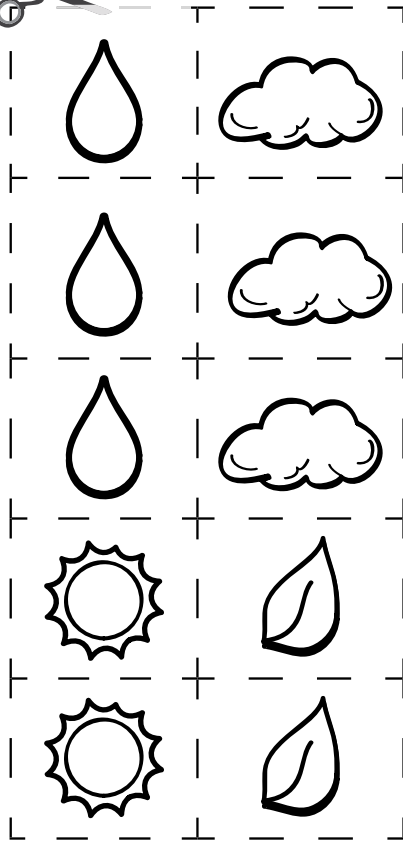
Fun Fact!

You can survive about 1 month without food, but only 5 to 7 days without water!

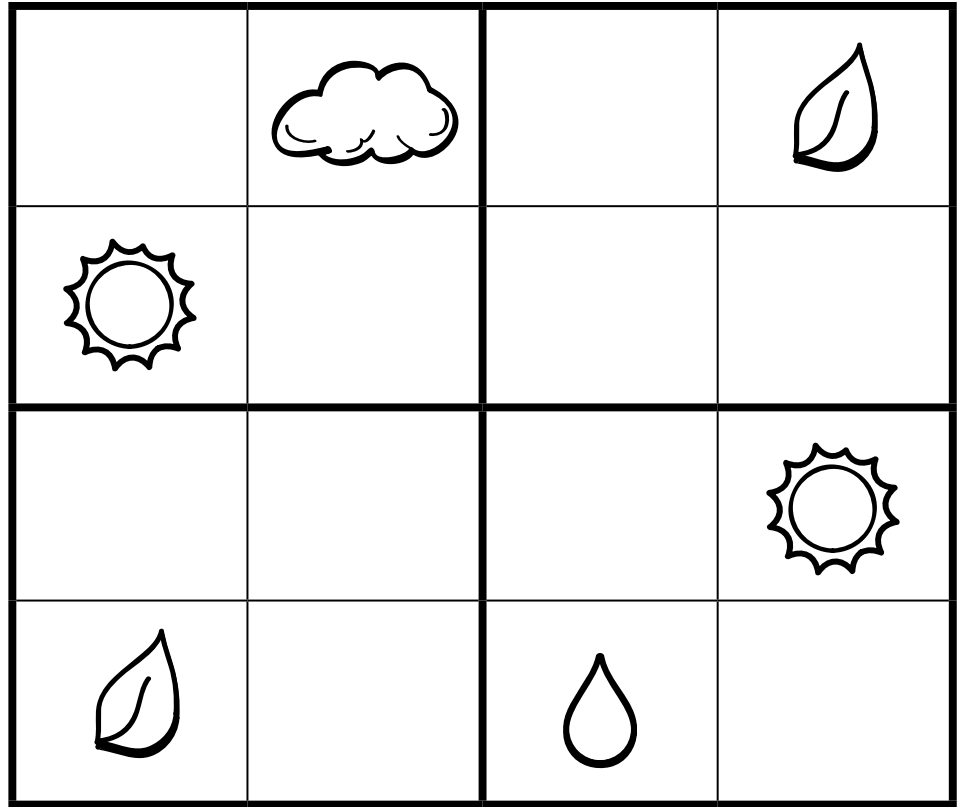
Sudoku Splash



Cut along dotted line



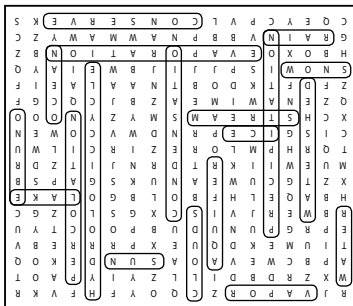
Color, then cut out the game pieces on the left. Use them to solve the puzzle. *Remember, only different pictures can be next to each other (up/down or across) or within the bold squares.*



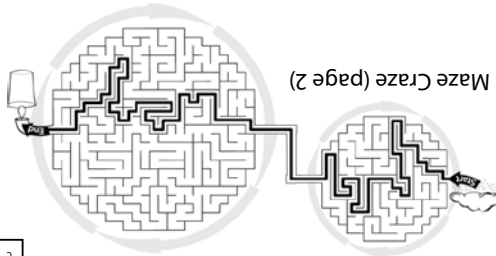
Answer Key



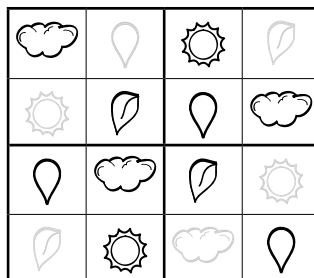
Water drop search (page 1)



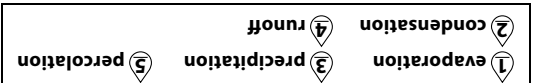
Word Search (page 6)



Maze Craze (page 2)



Sudoku (page 8)



Water Cycle (page 4)

Hey Gang! If you enjoyed this activity book, visit www.pinellascounty.org/utilities/kids for more fun games.

