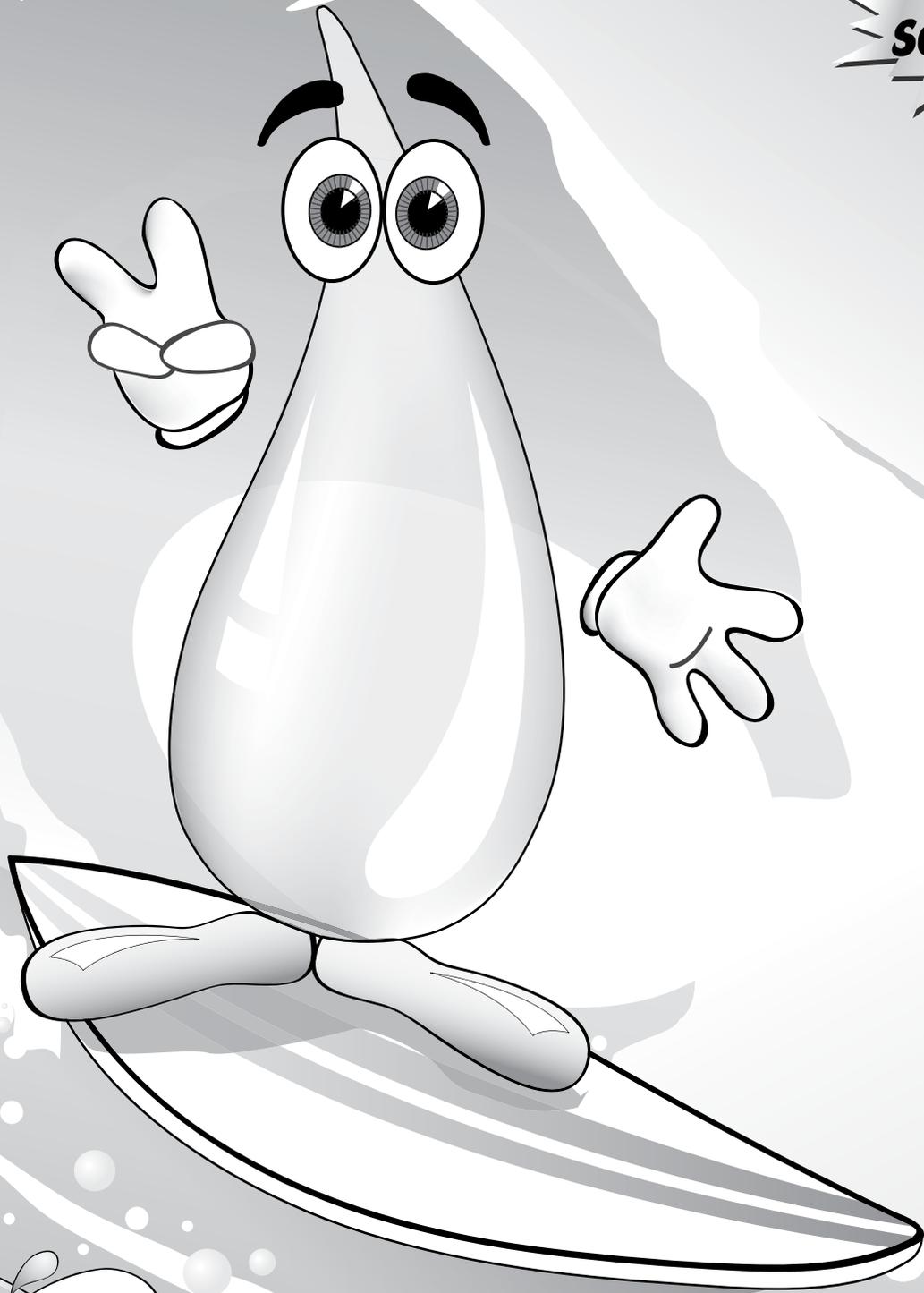


The Wet Gazette

Pinellas County Utilities Water Resources Activity Book

**The
Sequel!**



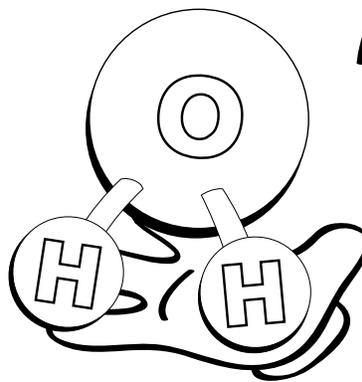
A Drop in the Bucket

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

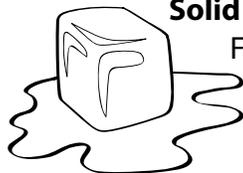
What is Water?

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 H₂O.

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



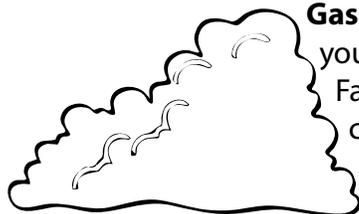
Solid (Ice) - Water freezes at 0° Celsius or 32° Fahrenheit.



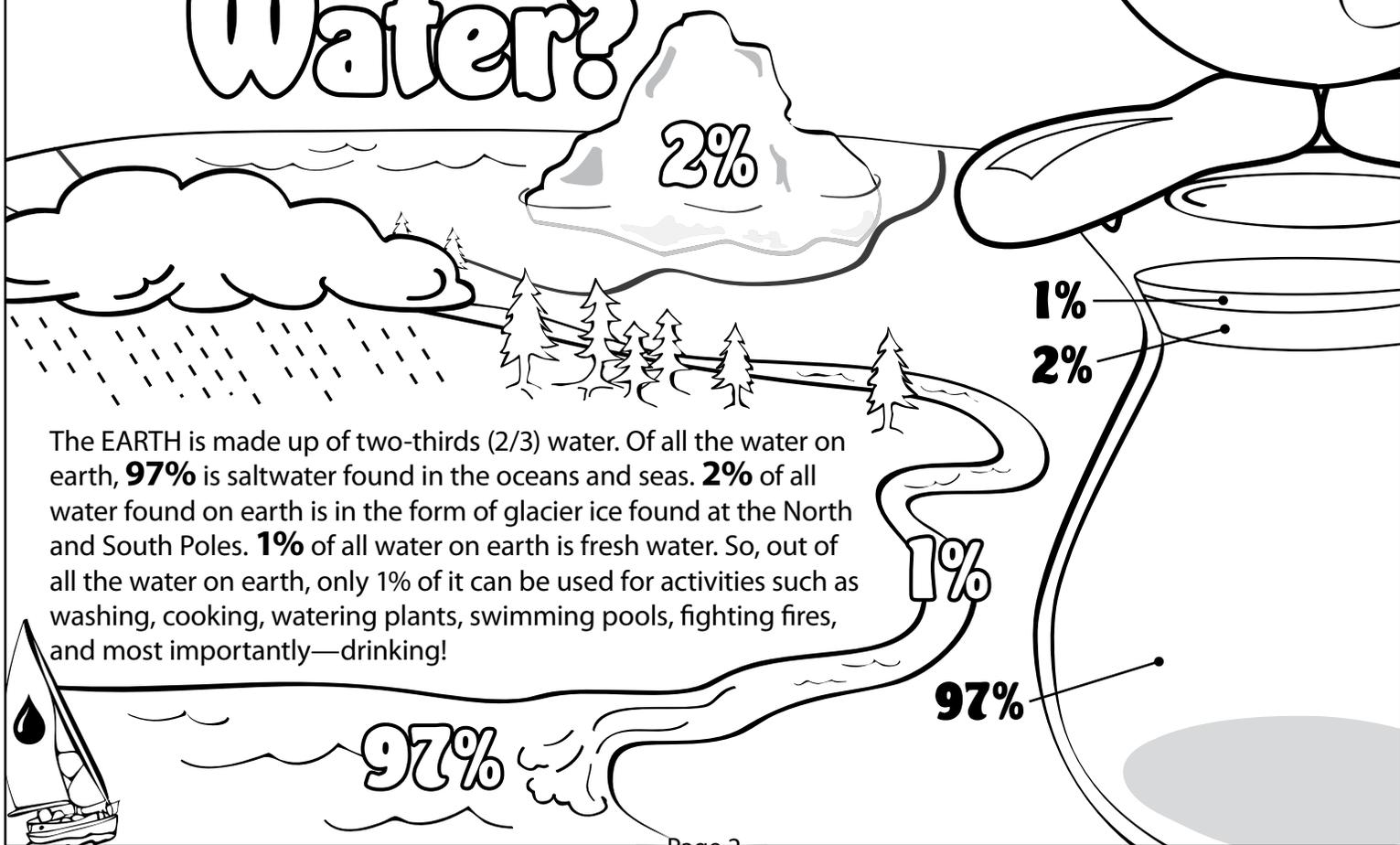
Liquid - Liquid water has many uses. We drink it, clean with it, and use it to make things. Liquid water may be hot or cold.



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.



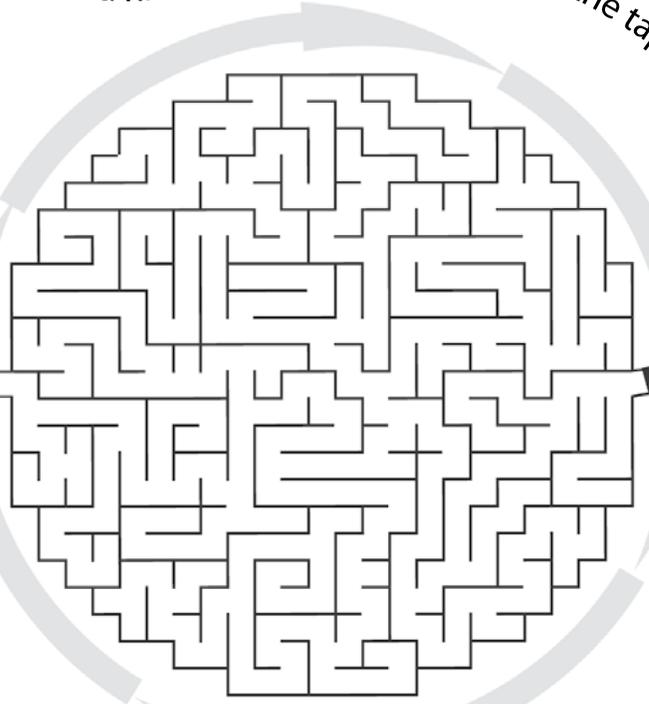
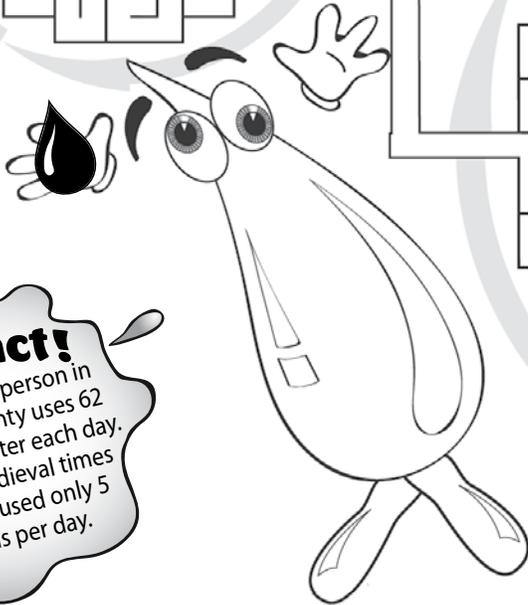
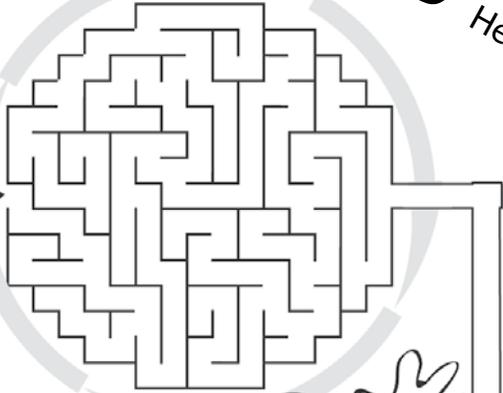
Where is Water?



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

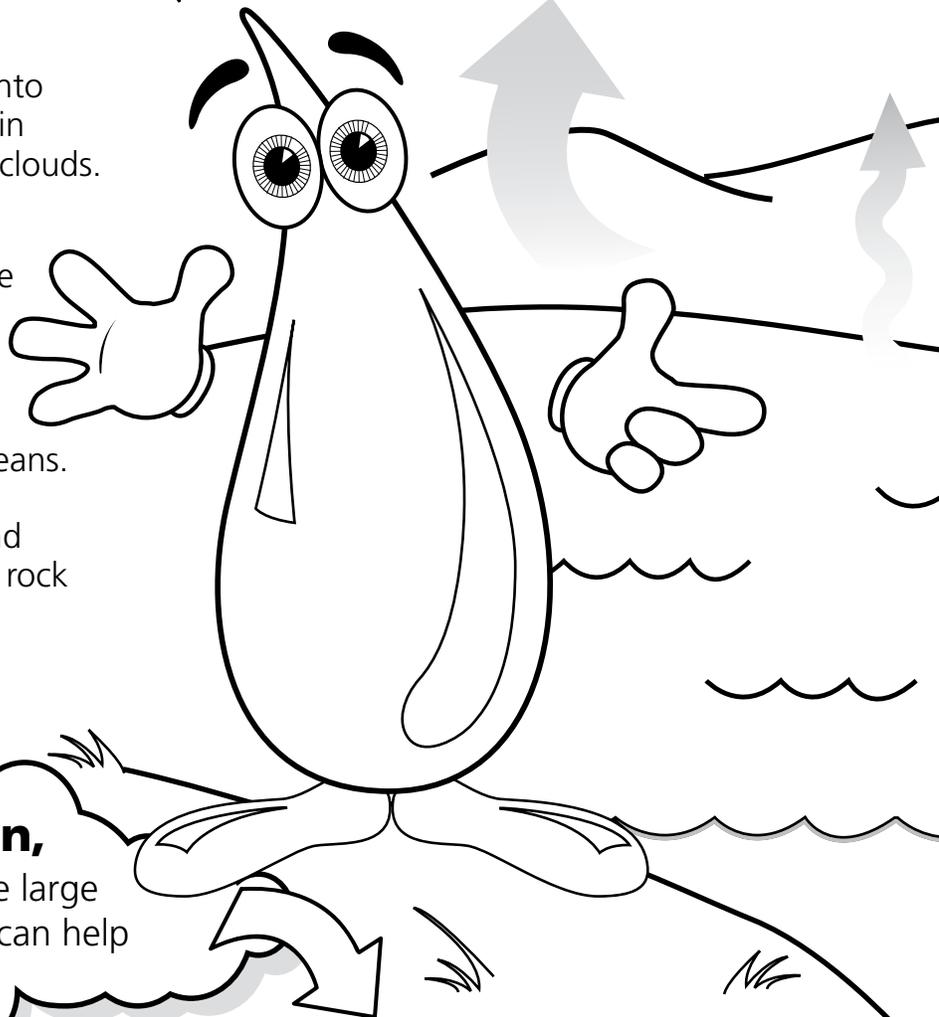
It Never Ends!

Match them up!

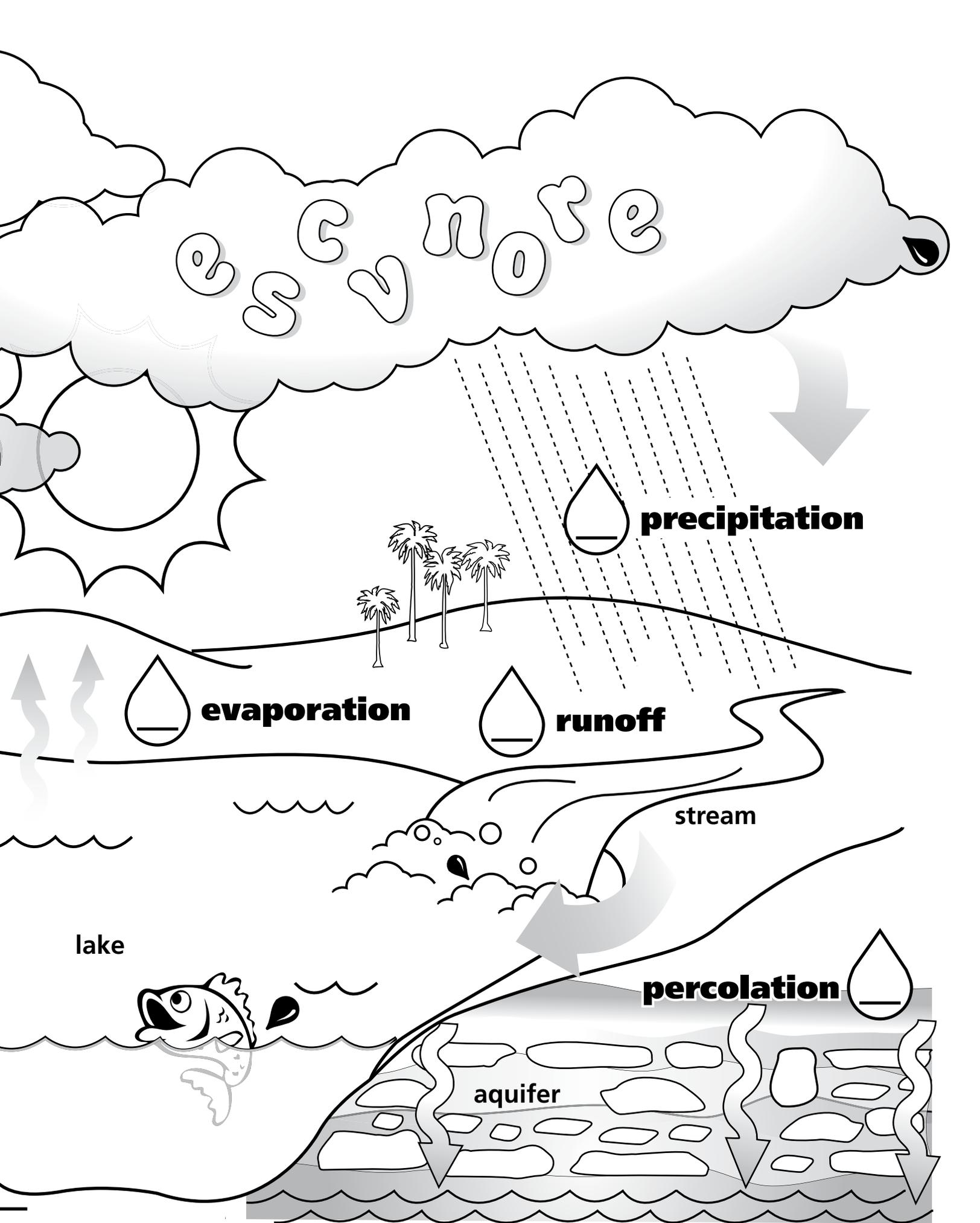
Read about the parts of the water cycle below. Then write the correct number in the waterdrops beside the **key words** in the picture.

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

 **condensation**



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



evaporation
precipitation
runoff

precipitation

evaporation

runoff

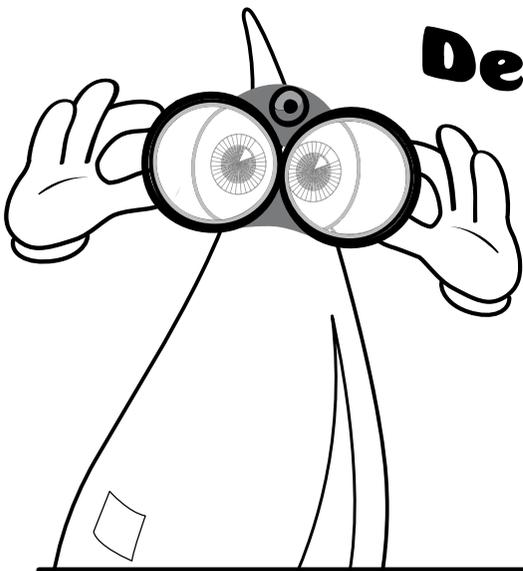
stream

lake

percolation

aquifer

Dewey's Search for Water



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

Word Bank:

AQUIFER	LAKE	SNOW
CLOUDS	OCEAN	STREAM
CONDENSATION	PERCOLATION	SUN
CONSERVE	PRECIPITATION	VAPOR
EVAPORATION	RAIN	WATER
HYDROLOGIC CYCLE	RUNOFF	WATERSHED
ICE		

R	J	V	A	P	O	R	Z	C	Q	O	Y	F	H	F	V	K	R
W	X	Z	R	D	B	D	I	L	L	Z	Y	I	Y	P	A	O	T
A	P	B	C	W	E	V	A	O	A	S	U	N	D	E	K	O	Q
T	I	U	M	E	K	D	Q	U	E	X	P	R	R	R	E	B	V
E	P	R	G	P	U	N	U	D	U	B	P	O	O	C	T	Y	U
R	B	W	E	R	J	V	I	S	C	X	G	S	L	O	Z	G	C
H	B	A	Q	E	L	H	F	B	O	L	B	G	O	L	A	K	E
X	Z	T	G	C	U	W	E	A	N	U	K	S	G	A	P	S	B
M	U	E	W	I	I	K	R	T	D	R	N	J	I	T	Z	D	R
T	Q	R	H	P	M	L	O	R	E	Z	I	R	C	I	L	W	U
C	I	S	G	I	C	E	P	R	N	D	W	V	C	O	W	E	N
X	C	H	S	T	R	E	A	M	S	M	Y	Z	Y	N	O	O	O
Q	Z	E	N	A	W	I	M	E	A	Z	B	J	C	Q	C	G	F
Z	F	D	F	T	K	D	O	B	T	N	A	A	L	A	E	I	F
S	N	O	W	I	S	P	J	J	I	J	B	W	E	I	A	Y	Q
H	B	O	X	O	E	V	A	P	O	R	A	T	I	O	N	B	Z
G	R	A	I	N	V	B	B	P	N	A	W	M	A	W	Y	Z	C
C	Q	E	Y	C	P	V	L	C	O	N	S	E	R	V	E	K	S

Fun Fact!

70% of an elephant is water!

How can YOU help conserve?

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

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.

-  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.

Seaweed

Seahorse

NEWS
Newspaper

SODA
Soda can

Milk jug

Plastic Bottle

Cereal box

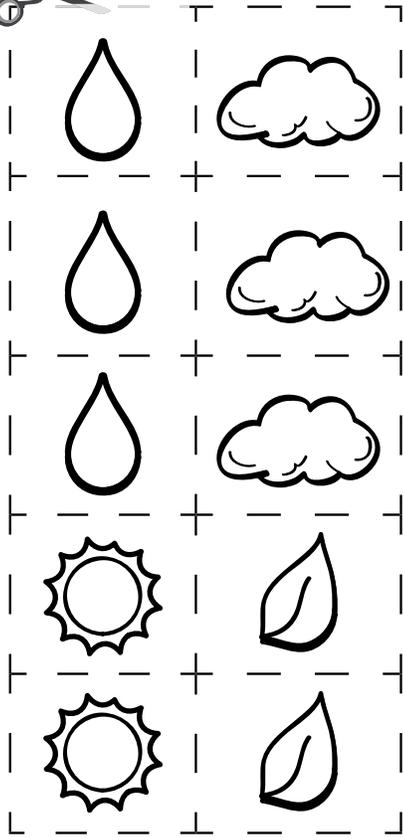
Sea Turtle

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

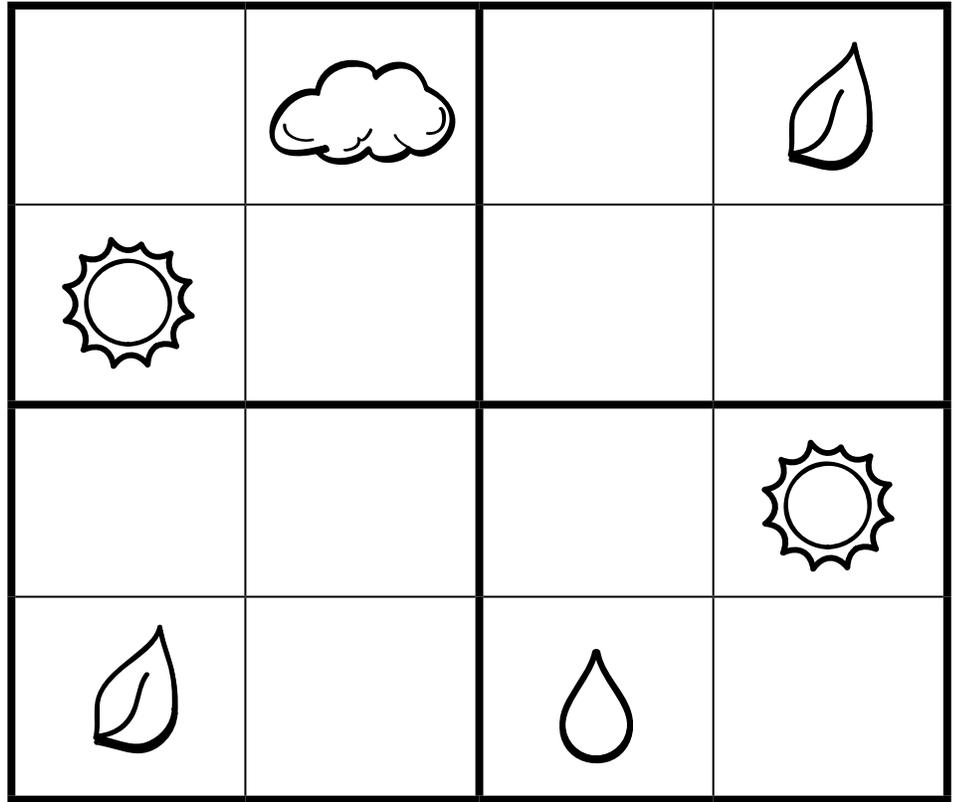
Sudoku Splash



Cut along dotted line



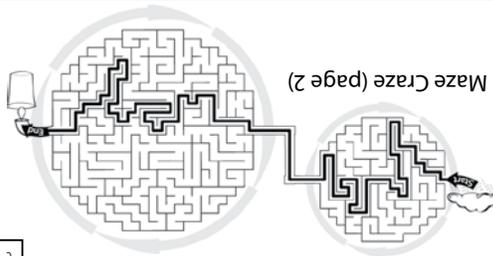
Color, then cut out the game pieces on the left. Use them to solve the puzzle. *Remember*, only different pictures can be next to each other (up/down or across) or within the bold squares.



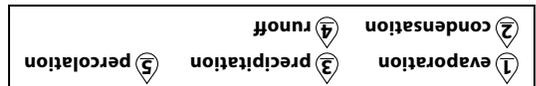
Answer Key



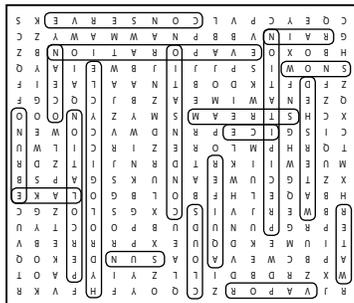
Water drop search (page 1)



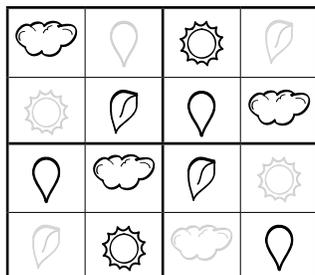
Maze Craze (page 2)



Water Cycle (page 4)



Word Search (page 6)



Sudoku (page 8)

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

