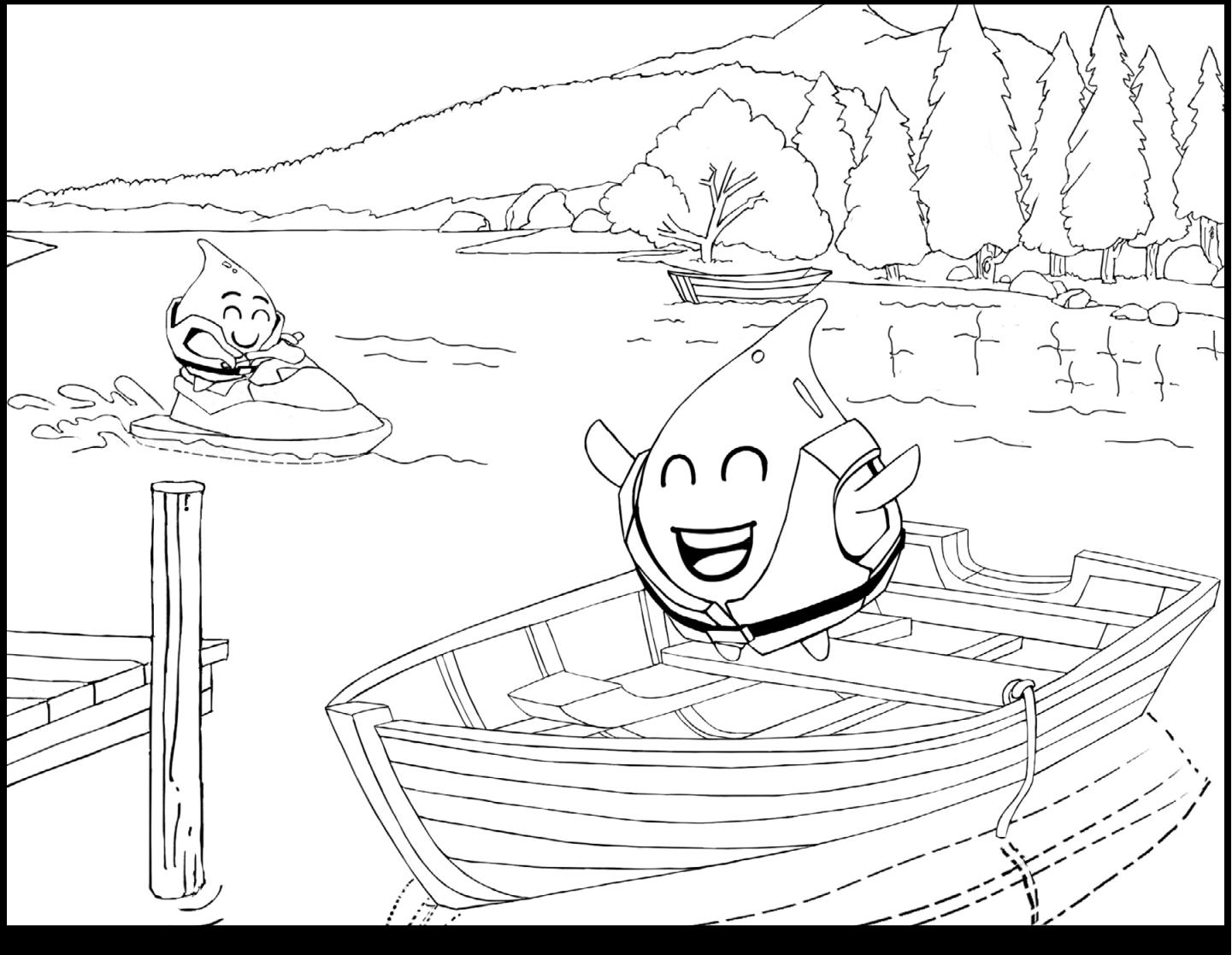


DRIPPY'S Groundwater ACTIVITY BOOK



WHAT'S INSIDE

How do YOU say water? * Water cycle * Hidden water * On the move * Word search
Ad-lib game * Color by number * Draw your own Drippy * Glossary



CALIFORNIA DEPARTMENT OF WATER RESOURCES
SUSTAINABLE GROUNDWATER
MANAGEMENT OFFICE

HOW DO YOU SAY WATER?

Everyone needs water. How do people say water in different languages? **Which ways do you recognize?**

Hello there! Today, we are going to learn about groundwater in California.



WATER

TUBING

WATER

Nước

水

ACUA

DEJ

ໜ

How to write and say “water”
in each language shown:

Chinese	水	SHway
English	water	WAH-ter
Hmong	dej	DAy
Korean	물	mool
Laotian	ໜ	nam
Punjabi	ਪਾਣੀ	PAH-nee
Spanish	agua	AH-guWAH
Tagalog	tubig	too-BIG
Vietnamese	Nước	NEW-ock

WATER CYCLE

The water cycle is the way water moves around Earth.
Groundwater is part of the water cycle.



Evaporation

The sun's energy turns water into an invisible gas called vapor that rises into the air.

Condensation

Warm water vapor rises and becomes cold water vapor.
The cold water droplets form clouds.

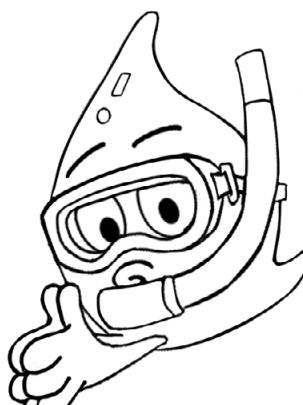


Precipitation

When water falls from the clouds, usually as rain and snow.

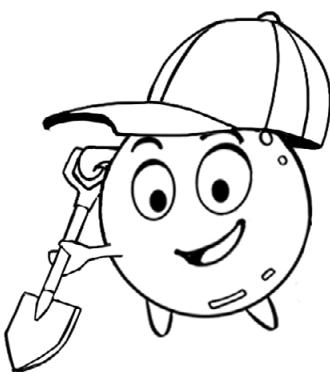
Infiltration

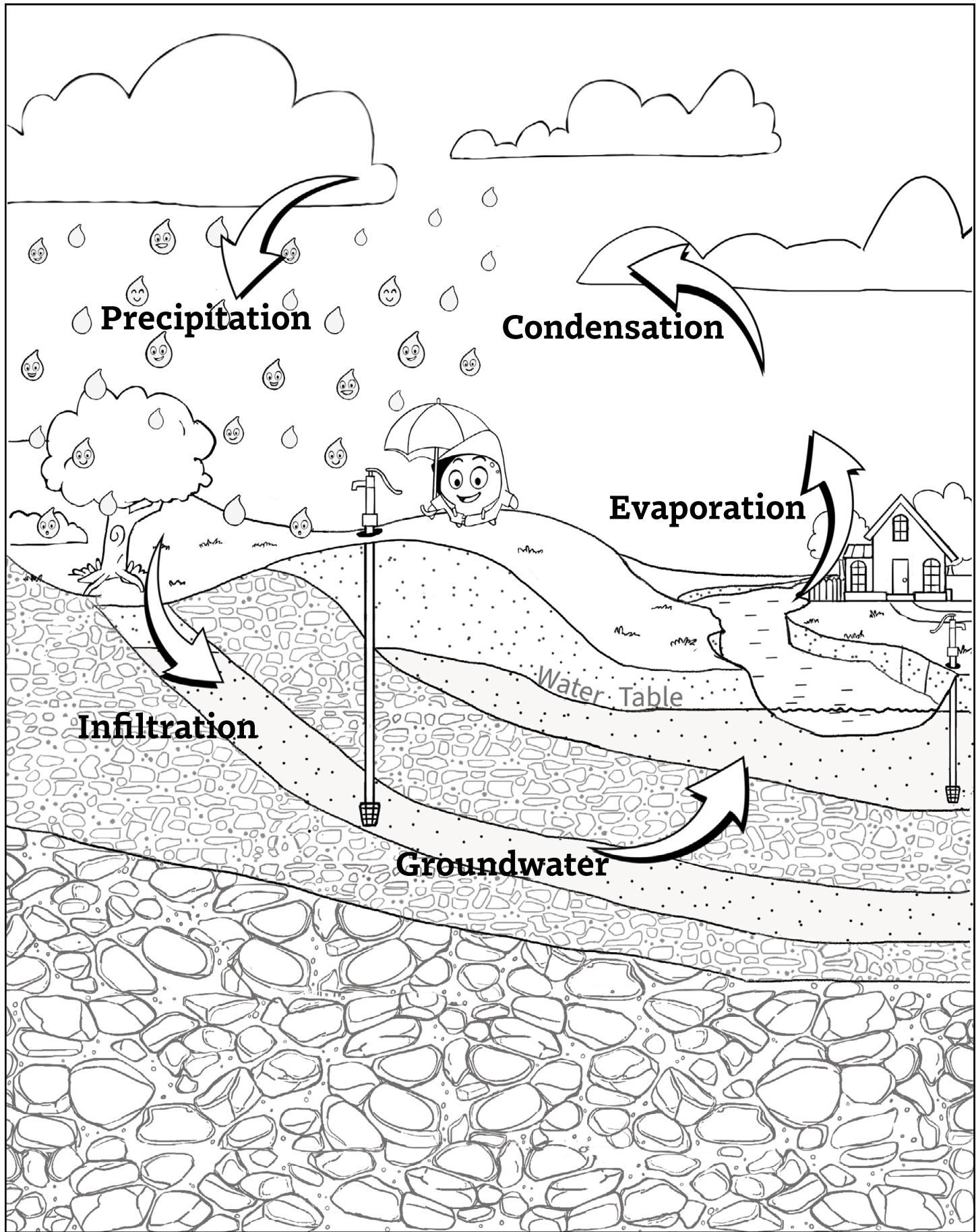
When water moves from the surface deep into the ground.



Groundwater

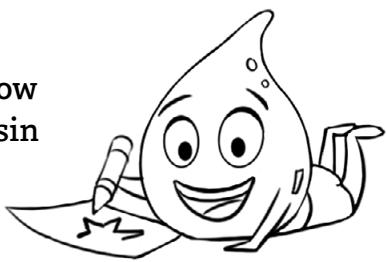
Water that can be stored and move under the ground.
This water is stored in an aquifer.





HIDDEN WATER

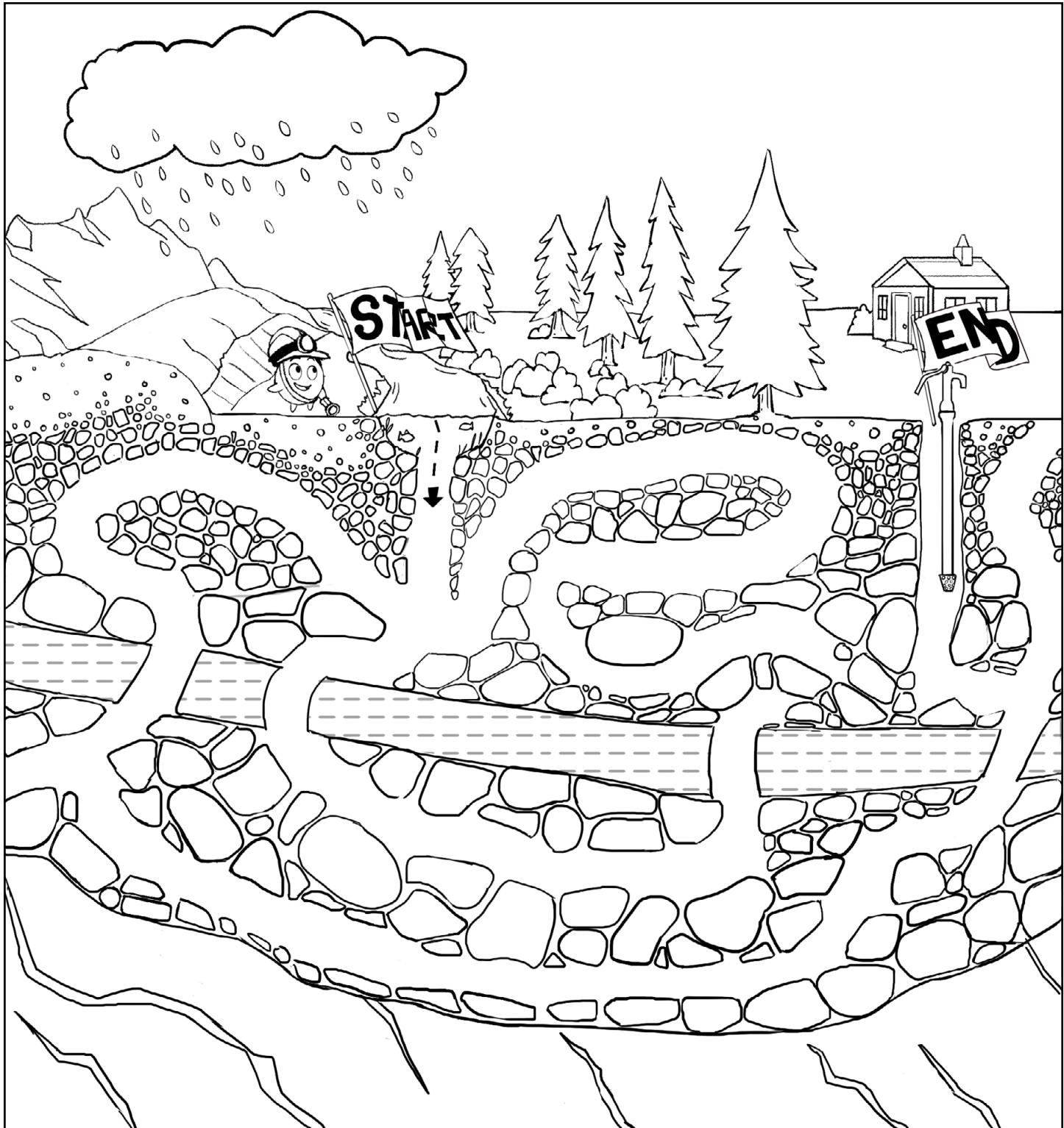
California has a lot of groundwater. The map of California below shows where groundwater can be found. Do you live over a basin with groundwater? **Draw a star where you live.**



ON THE MOVE

Tiny water drops travel in the spaces between the grains of sand and gravel underground. When drops all collect in one place, they form an aquifer.

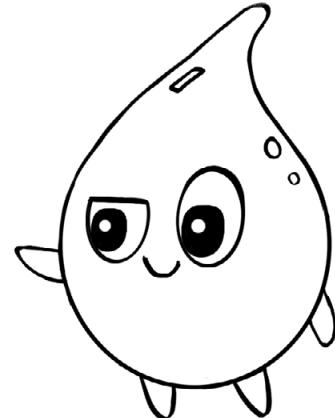
The aquifer is home for groundwater. **Follow the dotted line and help Drippy find his way through the aquifer maze to the groundwater well.**



WORD SEARCH

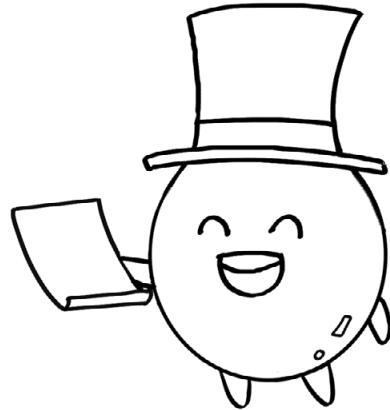
In California, millions of people use groundwater for cooking, bathing, and drinking. We can all do our part to help protect groundwater. By using less water we reduce the impact we have. **Find the words related to groundwater below.** If you want to learn what these words mean, look in the glossary at the end of this book.

Groundwater	Gravel	Drink	Clean
Precipitation	Rocks	Ocean	Sand
Planning	Condensation	River	Recharge
Aquifer	Water table	Evaporation	Basin
Pump	Pollution	Infiltration	Well
Farming	Spring	Water cycle	Soil



AD-LIB GAME

Create your own story about groundwater in California.
Fill in the blanks with the part of speech shown below.
Then, read your final story to a friend.



In groundwater basins filled with rivers, lakes, and clouds, each drop

of _____ represents countless numbers of years of a/an
[LIQUID]

_____ cycle bringing water back to us. Whether the water is used
[ADJECTIVE]

for _____ or _____, people, animals, and nature have
[NOUN] [PLURAL NOUN]

been _____ water for _____ of years. Water can be
[VERB] [NUMBER]

found below the ground in _____ which we count on when water
[PLURAL NOUN]

is limited and the land is _____. Sometimes there isn't
[ADJECTIVE]

enough _____ for all the _____ Californians
[NOUN] [VERB ENDING IN "ING"]

want to use water for. With proper _____, we can all share the
[NOUN]

groundwater and have enough for _____ in the future.
[PLURAL NOUN]

COLOR BY NUMBER

Each space on the picture below has a number. See the key for which color to use for each number and the final image will be revealed.

1

red

2

blue

3

purple

4

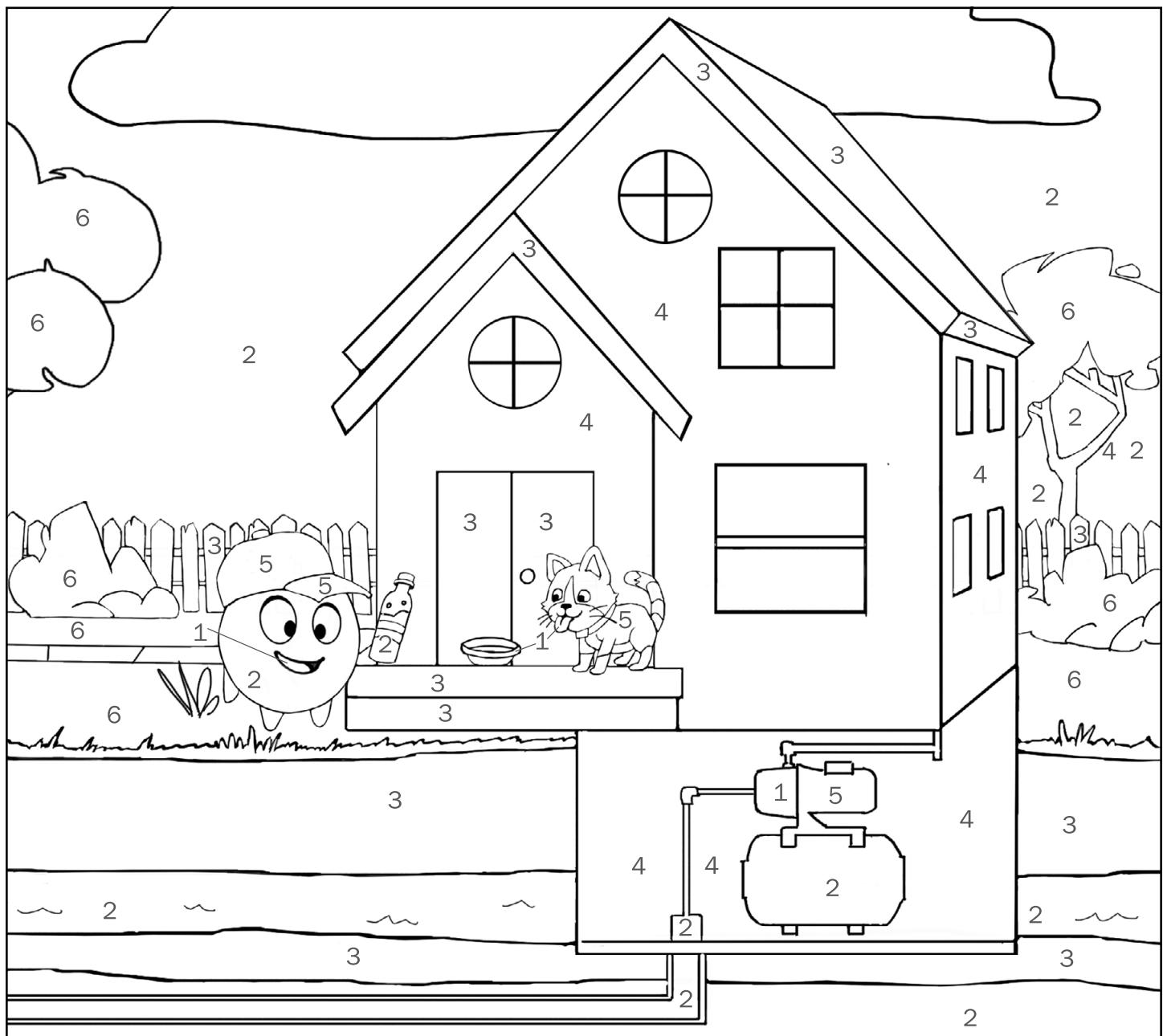
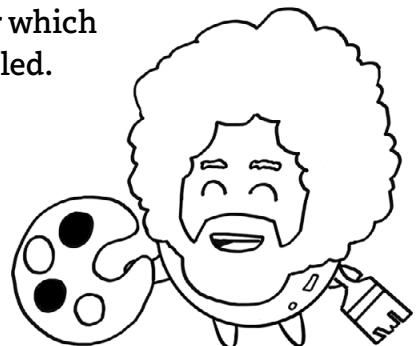
yellow

5

orange

6

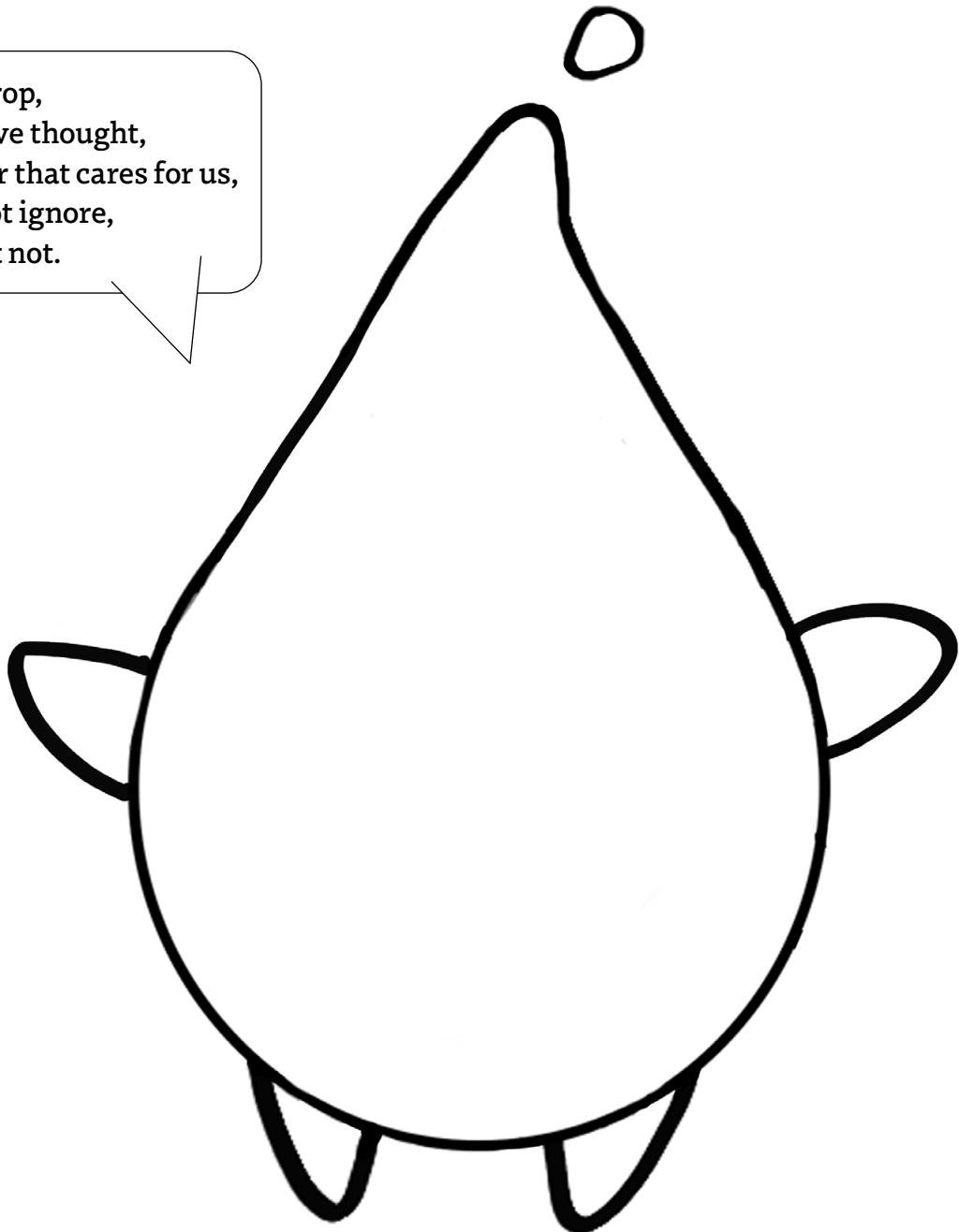
green



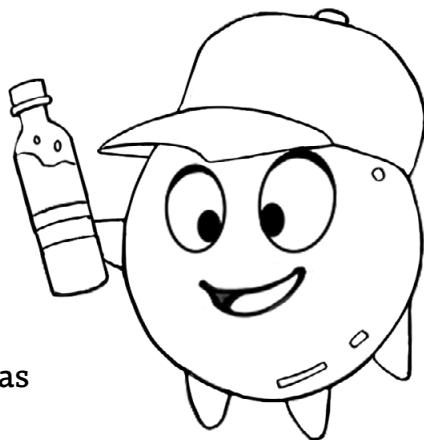
DRAW YOUR OWN DRIPPY

California needs groundwater. It is good that many drops of water in the water cycle end up in the ground. More water going back to the ground lets us save more groundwater for the future. **Draw your own Drippy.**

Drip and drop,
we must give thought,
to the water that cares for us,
we must not ignore,
no we must not.



GLOSSARY



Aquifer: An underground rock formation containing water.

Condensation: Warm water vapor rises and becomes cold water vapor. The cold water droplets form clouds.

Evaporation: The sun's energy turns water into an invisible gas called vapor that rises into the air.

Groundwater: Water that can be stored and move under the ground. This water is stored in an aquifer.

Groundwater Basin: Aquifers have edges. If you draw a line around the edge of aquifers that touch, it's called the basin.

Infiltration: When water moves from the surface deep into the ground.

Pollution: When chemicals get into the ground it makes water contaminated. Dirty water is bad for us and the environment.

Precipitation: When water falls from the clouds, usually as rain and snow.

Pump (Groundwater Pumping): A machine that brings water from the bottom of a well up to the top of the well. Pumping is when someone uses that pump to pull groundwater out and use it.

Sustainable: Using and sharing groundwater in a way that leaves enough to use in the future.

Water Cycle: The way water moves around Earth.

Water Table: The boundary between dry soil and rock and wet soil and rock.

Well: A hole created by drilling underground to reach groundwater. The hole is skinny and deep. A plastic or metal pipe is placed in the hole. The pipe allows water to move from the aquifer to the surface.

Visit <https://water.ca.gov/bewellprepared> to learn more about keeping a safe and steady home water supply.



BE WELL
prepared