

AQUA AVENGERS



EDUCATIONAL CONCEPTS

- The uses of water
- The importance of water
- Ways to conserve water
- How to use drains properly



Public
Utilities

AQUA AVENGERS

STORY

Our water-saving hero, Thunderstorm, is attending a picnic for lone superheroes looking to join a group. It can be hard to make friends as a superhero!

While at the picnic, Thunderstorm meets fellow fellow superheroes Riptide, Glacier and Watercooler, who are equally passionate about saving water and using drains properly.

Before they can form their own squad, though, they discover that someone is wasting water at the picnic. Could it be the notoriously wasteful Pierre Deluge?

With help from students, Thunderstorm, Riptide, Glacier and Watercooler set out to change Pierre's villainous ways and form their own superhero league: the Aqua Avengers!

WORDS TO KNOW

Conservation	Using natural resources carefully
Drain	A channel or pipe carrying off water
F.O.G.	An acronym for fats, oils and grease. These should never be poured down the drain.
Fresh Water	Water that we can safely drink
Groundwater	Water that is stored under the ground
Salt Water	Water with a high sodium content.
Save	To preserve and keep safe
Waste	To use too much of something when there is a limited amount
Water	A liquid we all need to stay alive.
Water Cycle	The way water moves around the Earth



Pierre Deluge

Watercooler

Thunderstorm

Riptide

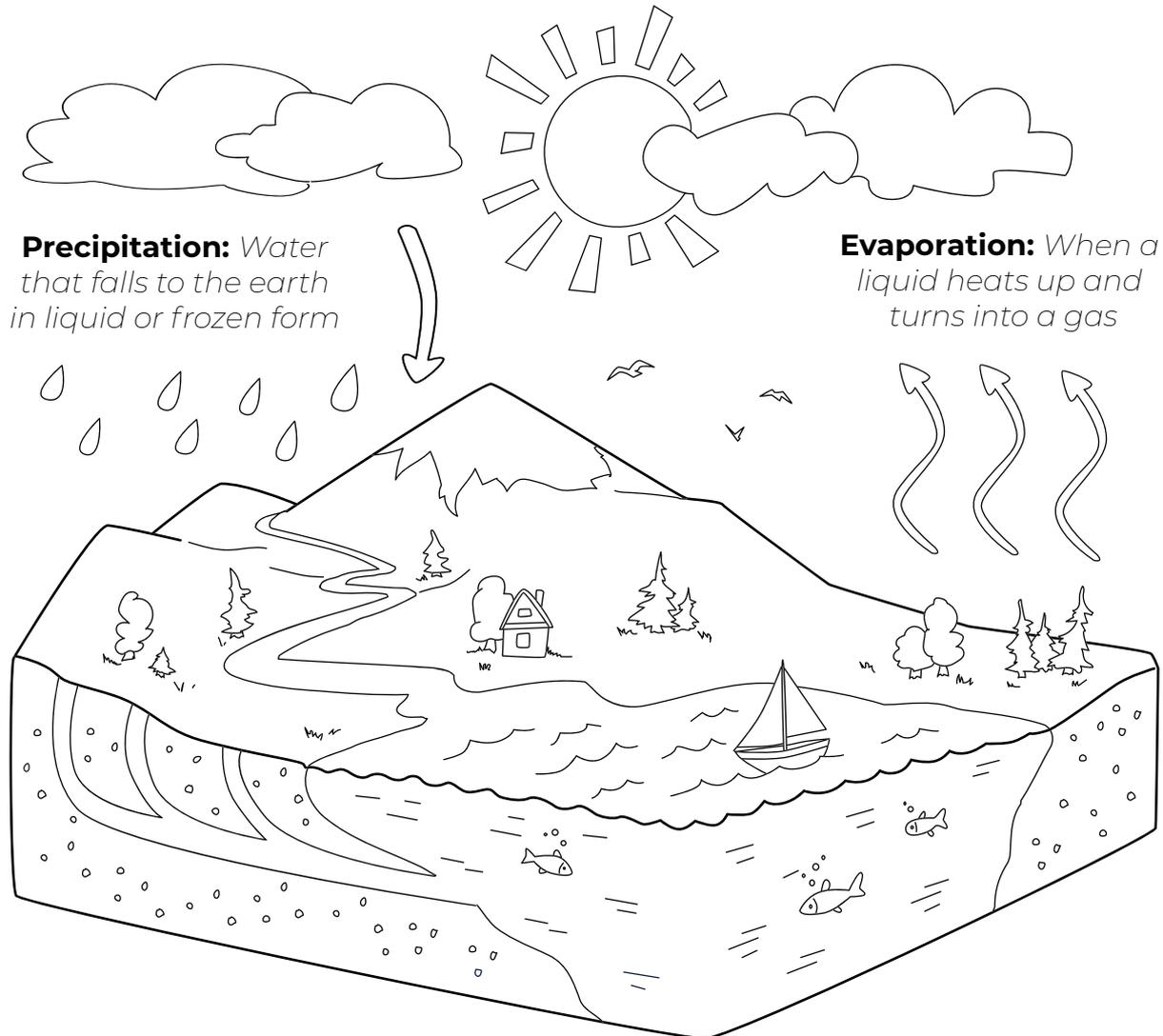
Glacier

COLOR AND SHARE

Water moves around the Earth in a cycle. Color the picture and hang your work where friends and family will see it.



Condensation: *When a gas cools down and turns into a liquid*



Precipitation: *Water that falls to the earth in liquid or frozen form*

Evaporation: *When a liquid heats up and turns into a gas*

MATCH 'EM UP

Find and circle the two characters that are exactly the same. Their captions also have to match. Talk to your friends and find out who else made the match.

WE USE WATER EVERY DAY!

USE DRAINS PROPERLY!

TAKE SHORT SHOWERS AND SHALLOW BATHS.

NEVER LET YOUR HOSE RUN WHILE YOU'RE NOT USING IT.

HAVE YOUR PARENTS FIX LEAKY FAUCETS.

WE USE WATER EVERY DAY!

The activity consists of six cartoon characters arranged in two rows and three columns. Each character has a speech bubble with a water conservation tip. The characters are: 1. A man in a suit and tie, carrying a large stack of laundry. 2. A superhero with a star on his chest and a cape. 3. A superhero with a shield on his chest and a cape, holding a water glass. 4. A man in a suit and tie, standing with hands on hips. 5. A superhero with a star on his chest and a cape, holding a water glass. 6. A man in a suit and tie, carrying a large stack of laundry.

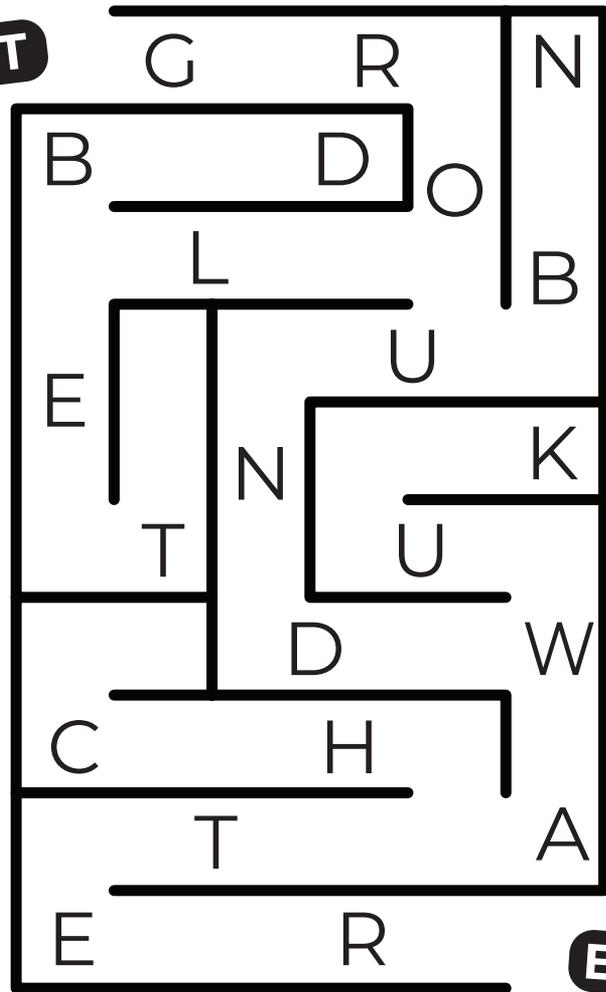
RIPTIDE'S

MAZE

Find your way through the maze. Then write the letters in order on the lines below to find out the hidden message.



START



END

is water found under the ground.

WORD FINDER

You and your friends can find and circle all of the words from the list below. Do you remember what the words mean? Review their meanings on the inside front cover.



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

- DRAIN
- WATER CYCLE
- CONSERVATION
- SALT WATER
- SAVE
- WASTE

THUNDERSTORM'S

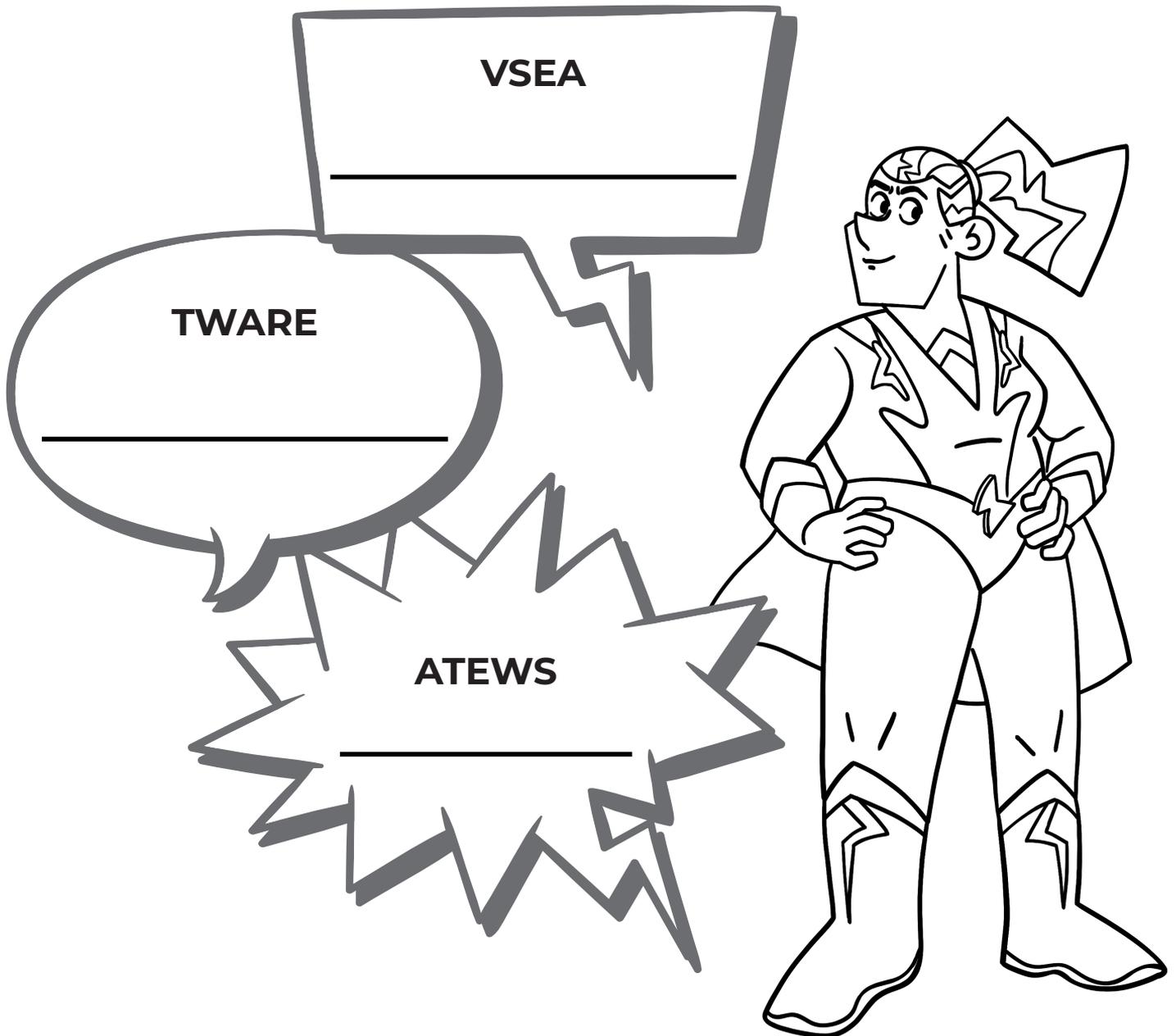
SUPER SCRAMBLE

Unscramble the message by writing the words in the boxes below.

WASTE

SAVE

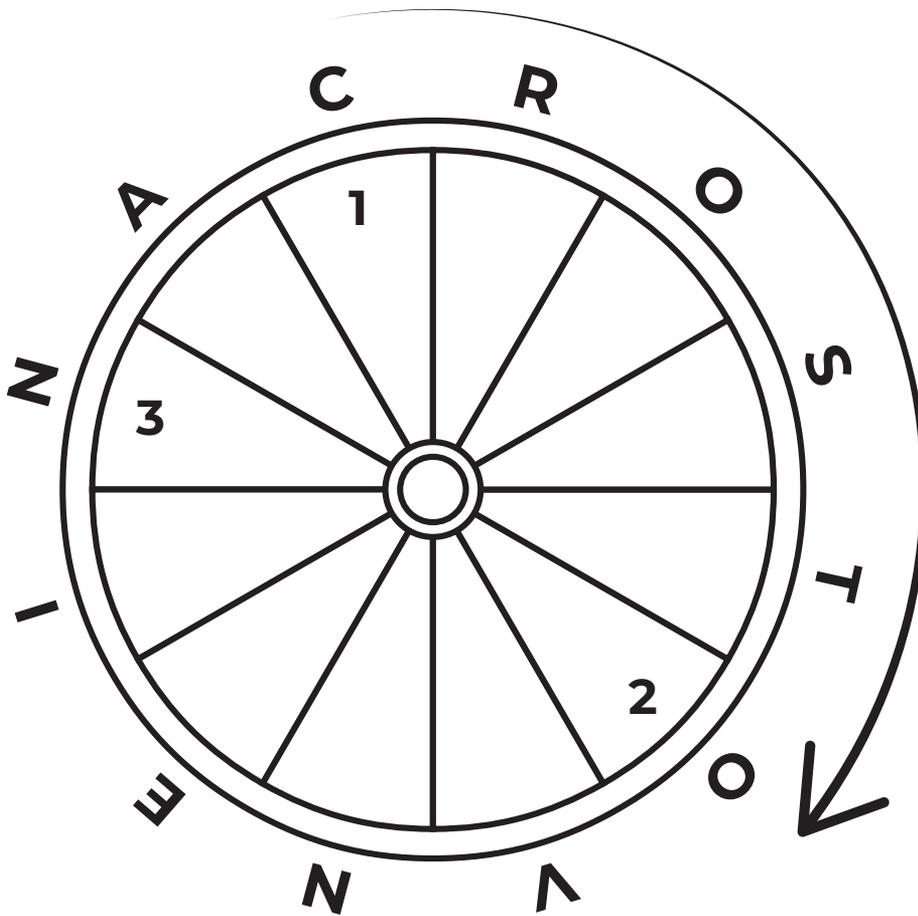
WATER



WATERCOOLER'S

WHEEL OF WISDOM

Go around the wheel writing down every fifth number or letter to find the hidden message. The first three are already done for you.



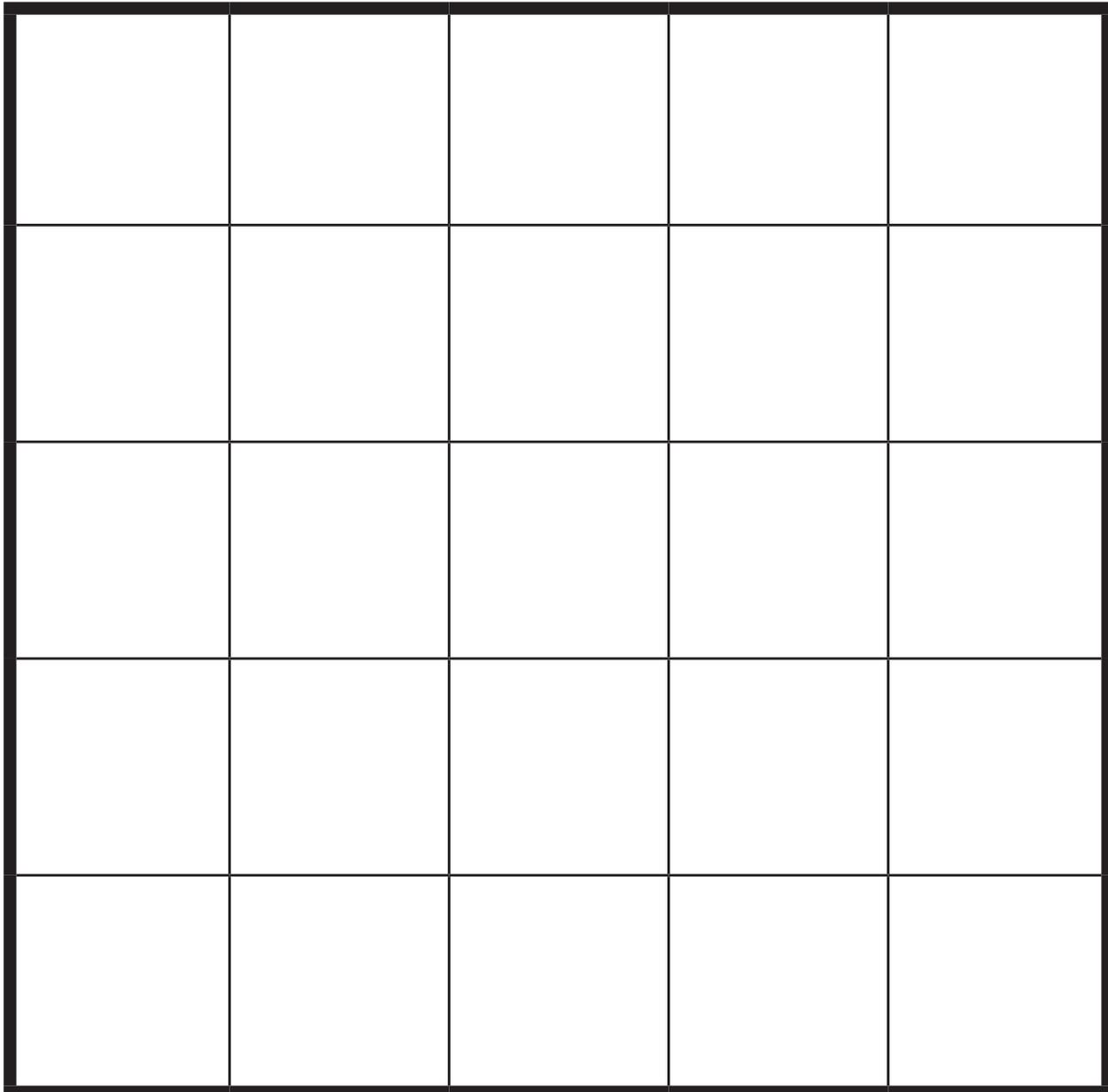
Another word for saving water is

C O N

1 2 3

DRAW PIERRE

Drawing square by square, use the grid to complete the entire picture of Pierre. Then, color the picture and hang where your family and friends can see it.



GLACIER'S

MYSTERY MESSAGE

Do the math and fill in the spaces below to discover the parts of the water cycle. Read the message out loud once you've completed it.



$5 \times 25 =$	<input type="text"/>	Condensation	$35 \div 7 =$	<input type="text"/>	Are
$20 \times 3 =$	<input type="text"/>	Water	$36 \div 3 =$	<input type="text"/>	The
$64 \div 8 =$	<input type="text"/>	Evaporation	$60 \times 4 =$	<input type="text"/>	Precipitation
$21 \div 3 =$	<input type="text"/>	All	$55 \div 5 =$	<input type="text"/>	Cycle
$14 \times 2 =$	<input type="text"/>	Of	$150 \div 5 =$	<input type="text"/>	And
$24 \times 4 =$	<input type="text"/>	A	$100 \div 4 =$	<input type="text"/>	Part

8

125

30

240

5

7

96

25

28

12

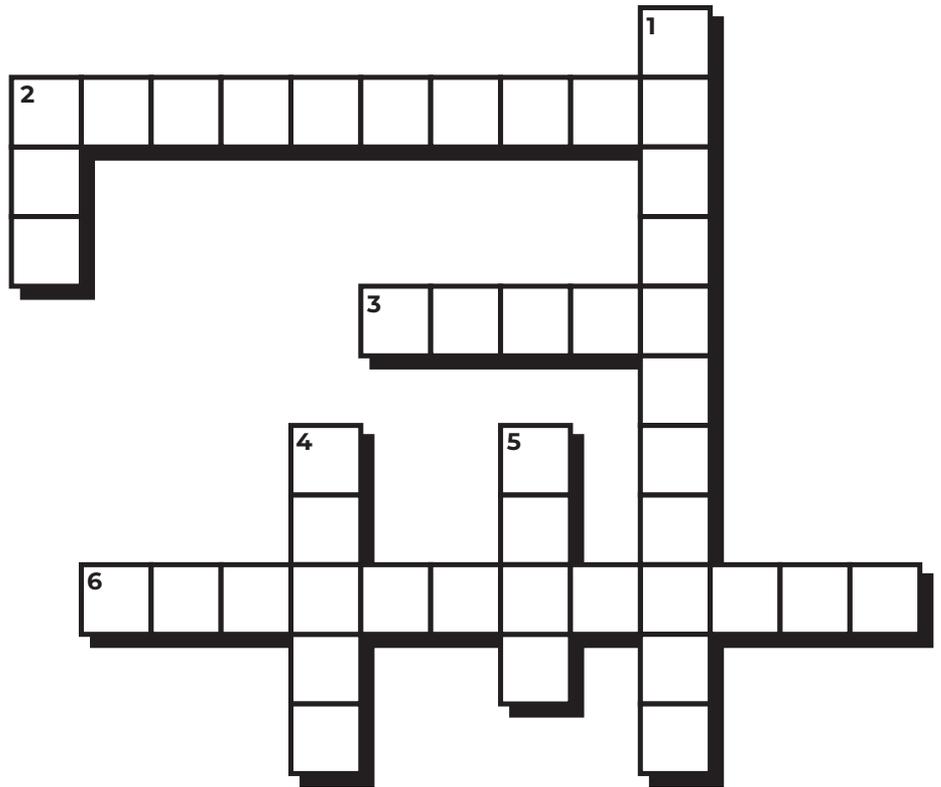
60

11

THUNDERSTORM'S

CROSSWORD

Find the answer for each clue and write it in the correct space.
Look at the inside front cover if you need some tips.



CONSERVATION
DRAIN
SAVE
GROUNDWATER
WASTE
F.O.G.
FRESH WATER

ACROSS

- 2. Water that we can safely drink
- 3. Water that is found under the surface of the Earth
- 6. Using natural resources carefully

DOWN

- 1. Water that is stored under the ground
- 2. An acronym for fats, oils and grease. These should never be poured down the drain.
- 4. A liquid we all need to stay alive.
- 5. To preserve and keep safe

MAKE YOUR OWN NEWSPAPER. 1. Write a headline under the masthead. 2. Draw a picture in the box and color it. 3. Write a story about how we use water and why it's important to conserve it using at least four of the vocabulary words at the bottom of this page. Use another piece of paper if you need it.



The WATER Observer



- Conservation
- Drain
- F.O.G.
- Fresh Water
- Groundwater
- Salt Water
- Save
- Waste
- Water
- Water Cycle

LEARN TO

CONSERVE



Riptide knows a lot about saving water. Read the paragraph below and then answer the True/False questions. Ask an adult if you need help.

EXTRA CREDIT: Read the article to someone else. Quiz them by asking the True/False questions.

WHAT DO YOU KNOW ABOUT CONSERVING WATER?

Water is used by every human, plant and animal on the planet. We use water for cooking, cleaning and drinking. It's very important to save water and there are many ways you can help. Make sure you turn off the water when you brush your teeth or wash your hands. Ask your parents to fix leaky faucets and always use a shut-off nozzle on your hose when you are washing your family car or your bike. It is also important use drain properly. Don't flush wipes, even those labeled "flushable," and never flush things like dental floss, paper towels, tissues or diapers. Can you think of any other ways to save water?

Use What You Need, Need What You Use!

- T / F** 1. Water is not used by humans.
- T / F** 2. We use water for cleaning and drinking.
- T / F** 3. You should turn off the water when you brush your teeth.
- T / F** 4. Leaky faucets should not be fixed.
- T / F** 5. It's OK to flush dental floss down the toilet.
- T / F** 6. Saving water is good for plants, animals and humans.

EVERY LITTLE BIT HELPS

HOME AUDIT

Did you know you can save three gallons of water each time you brush your teeth if you turn off the water while you are brushing? Put this chart up in your most used bathroom. Each day, put a mark for each time anyone turns off the water when they brush their teeth. Then, total up the marks. Multiply by three. Finally, add up the totals in the last column to find out how much water your family saved this week!

Remember: **Every Little Bit Helps!**



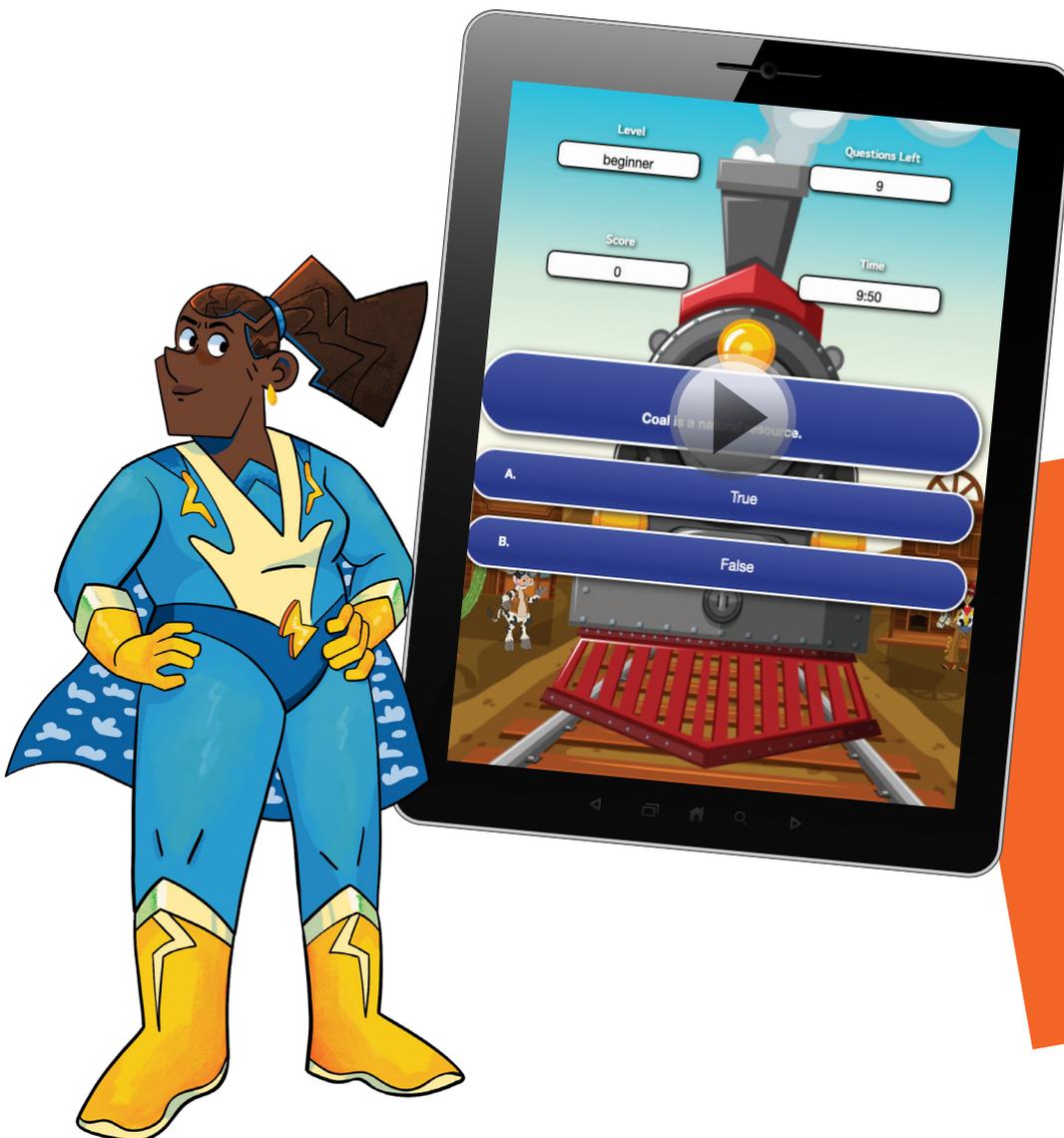
	Mark each time the water is turned off when someone is washing their hands or brushing their teeth.	Total Number	Gallons Saved	
MONDAY			x3	
TUESDAY			x3	
WEDNESDAY			x3	
THURSDAY			x3	
FRIDAY			x3	
SATURDAY			x3	
SUNDAY			x3	

TOTAL

Hey parents, students and teachers!

GO TO: **NTC** **Playworks.com**

After enjoying the show, you and your child can find more fun learning activities on this topic and many more at www.NTCplayworks.com.



Here's How:

1. Go to NTCplayworks.com
2. Select your state and program
3. Enjoy the digital games, interactive activities, e-books and more



Public Utilities

