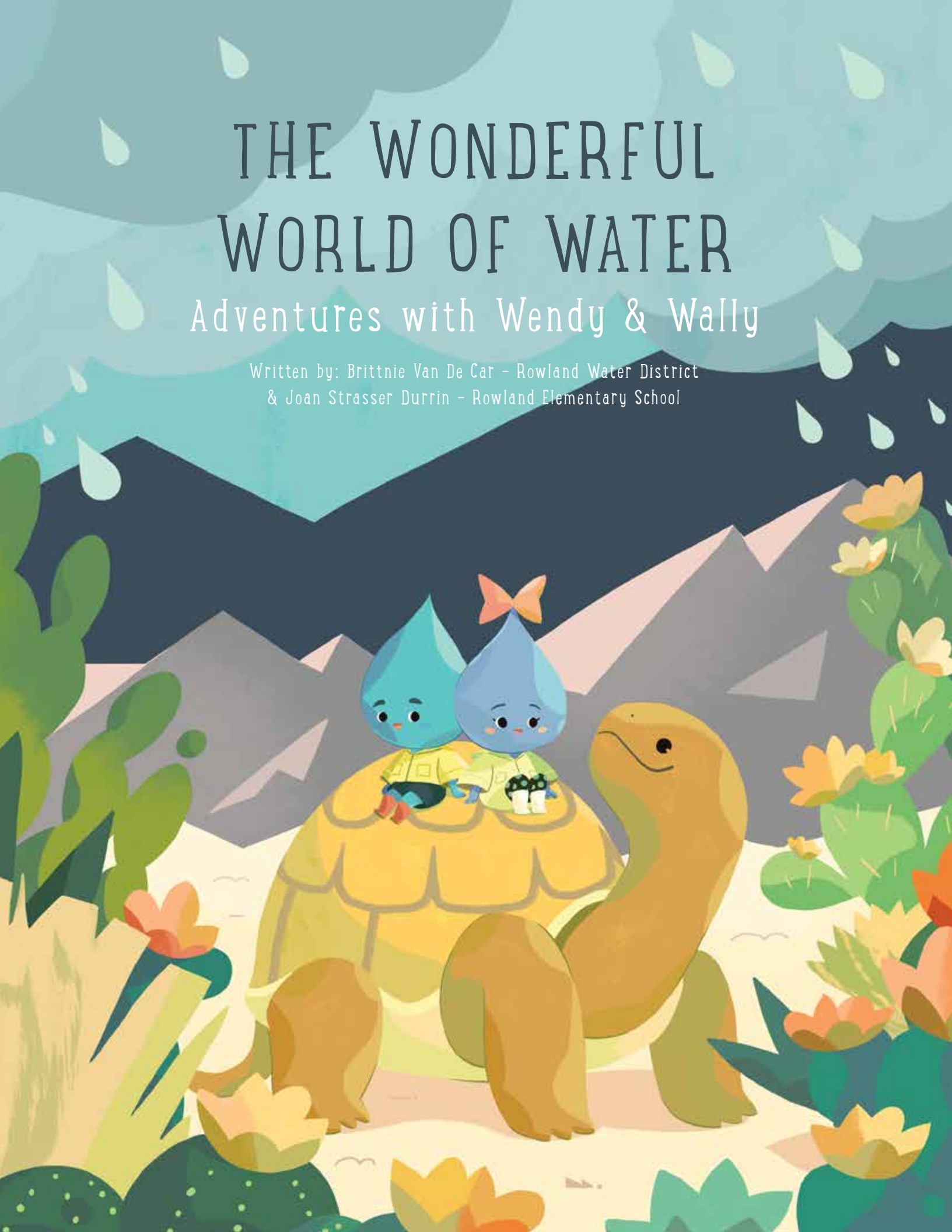


THE WONDERFUL WORLD OF WATER

Adventures with Wendy & Wally

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COMMON CORE STANDARDS

3.RI.2-Determine the main idea of a text; recount the key details and explain how they support the main idea.

3.RI.4-Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 3 topic or subject area.

3.RL.4-Determine the meaning of words and phrases as they are used in a text, distinguishing literal from nonliteral language.

3.L.4d-Use glossaries or beginning dictionaries, both print and digital, to determine or clarify the precise meaning of key words and phrases in all content areas.

3.W.3.2-Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

3.W.3.3-Write narratives to develop real or imagined experiences or events using effective technique, descriptive details and clear event sequences.



MEET WENDY AND WALLY

They're two of the most fun-loving raindrops you'll ever meet. They know all about water conservation and they're on a very important mission to help everyone do their part to save water. But you know what? They can't do it without you. So grab a pencil, marker or crayon—then turn the page. Water-conserving adventures, here we come!

One spring day, dark gray clouds rolled in over the San Gabriel Mountains sweeping toward the arid landscape of the Mojave Desert. Suddenly, millions of raindrops began to fall as the sky crackled and popped with thunder and lightning! Amongst those raindrops were two very special drops—Wendy Water Wise and Wally Water Drop.

“Wooo hoooo!” screamed Wendy. “I love being a raindrop!” added Wally.

The two swirled and twirled with the millions of other raindrops and led them all to quench the thirst of the earth, which nourished the plants and filled the Colorado River that feeds into a maze of shimmering blue lakes. As Trevor, a desert tortoise, slurped up a refreshing gulp of water from the riverbank, he watched the raindrops fall to Earth. He was lucky enough to meet Wendy and Wally, and a lasting friendship began.

As a desert tortoise who came from the Mojave Desert and moved to Southern California, Trevor is a good source of water wise ideas.





Being raindrops, Wendy and Wally used their water wise skills to create the perfect living habitat for Trevor. But as soon as he settled in and called it “home,” a long period of time went by with little or no rain. This is called a drought, which made it very important for everyone in Southern California to save water.

“Water conservation is achievable when everyone does his or her part,” said Trevor. “That’s what it means to be ‘water smart.’”

As it turns out, Trevor’s desert habitat was full of excellent examples of drought-tolerant plants and animals that thrive in a dry and harsh environment.

“Come on, Trevor,” said Wendy and Wally. “Our neighbors need our water wisdom. They need ideas to help them promote water conservation. Let’s stroll through the neighborhood, collect ideas and suggest ways to conserve a drop here and a drop there.”

So Trevor, Wendy and Wally headed out into the neighborhood. What they saw was shocking. People everywhere continued to live as they always have. They used water as if it were an unlimited resource.

“Water wasters,” thought Trevor. “I wonder if Wendy and Wally have ever seen them before.”

As Trevor stretched his long neck and scanned the neighborhood, he saw broken sprinklers, water from lawns overflowing onto curbs and streets, neighbors washing their cars and hoses running for no reason. Trevor wiped a tear away as he witnessed Wendy and Wally's droplet friends floating away.

Trevor cringed at the thought of how much water was being wasted. He knew so much could be saved. "There are wise ways for conserving water everywhere," he thought to himself. "We always need reminders of how important it is to be water wise."

Trevor, Wendy and Wally went on to inform others about important tips on saving water—like filling up the sink while washing dishes, turning off the water while brushing your teeth and taking shorter showers.



Another important part of water conservation is understanding how water is part of a continuous cycle. "It's called the 'water cycle,'" Trevor explained to Wendy and Wally.

All water is part of the water cycle. Water is moved from clouds to the ground, then back up to the clouds again. "You both fell from the clouds as raindrops, which is known as precipitation. The temperature of the air determines the form of precipitation: water or ice."

"Both of you have traveled through the entire water cycle," said Trevor to Wendy and Wally. "Now you're here with me on Earth helping everyone to be more water wise!"





“When you fall to the earth as snow, you end up on the mountains,” Trevor continued. “Eventually, the air and earth warm, which makes the snow melt, turning it back into water.”

“You can also run down the mountains towards the rivers, lakes, streams and ocean, which is known as runoff.”

“That’s my favorite part of all,” exclaimed Wendy. “Mine too,” agreed Wally. “Especially the waterfalls! We go so fast!”

The sun eventually heats up the water, turning it into vapor.

“This water vapor is known as evaporation,” explains Trevor.

All the tiny molecules that are floating around start to form clouds, which begin to get wet and heavy. This is called condensation. Then the water cycle starts all over again!

“You and your water drop friends have changed back and forth from a solid, liquid and a gas all through your lives!” said Trevor.

“That’s incredible!” said Wendy. “It sure is,” said Trevor. “Nothing else on Earth can do that!”

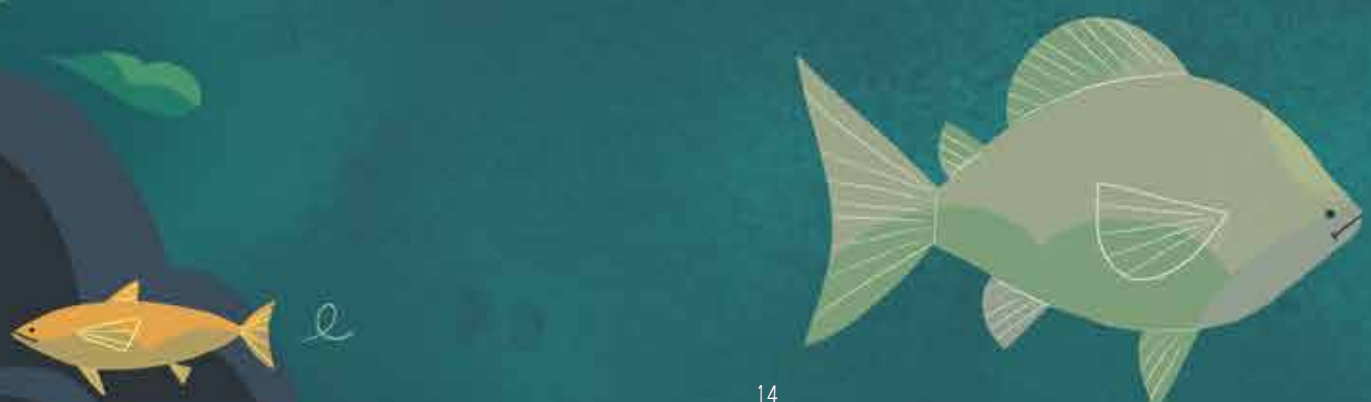


“Something else I learned while I was doing my research,” continued Trevor, “was the water we drink today is the same water the dinosaurs drank a long, long time ago!”

Trevor explained more about the water cycle. “It doesn’t occur in all places with the same rate or abundance. As a result, we may experience a drought in one place and a flood in another. This affects the amount of freshwater that reaches our lakes, rivers and streams. As the population increases, so does the demand for water. It’s everyone’s responsibility to share and use water wisely to support the health and well-being of all living things.”

Wendy and Wally enjoyed spreading the water conservation message. “It’s never too late to be water smart,” they said. “We all need to do our part to conserve this precious resource.” They continued to identify more ways to reduce water usage. The water wise list grew!

“Wow! These are amazing ways we can conserve water,” exclaimed Trevor. Final touches were completed with the list and they created a “water wise” flyer to give to everyone. They cheered with joy. “Do your part, be water smart!”

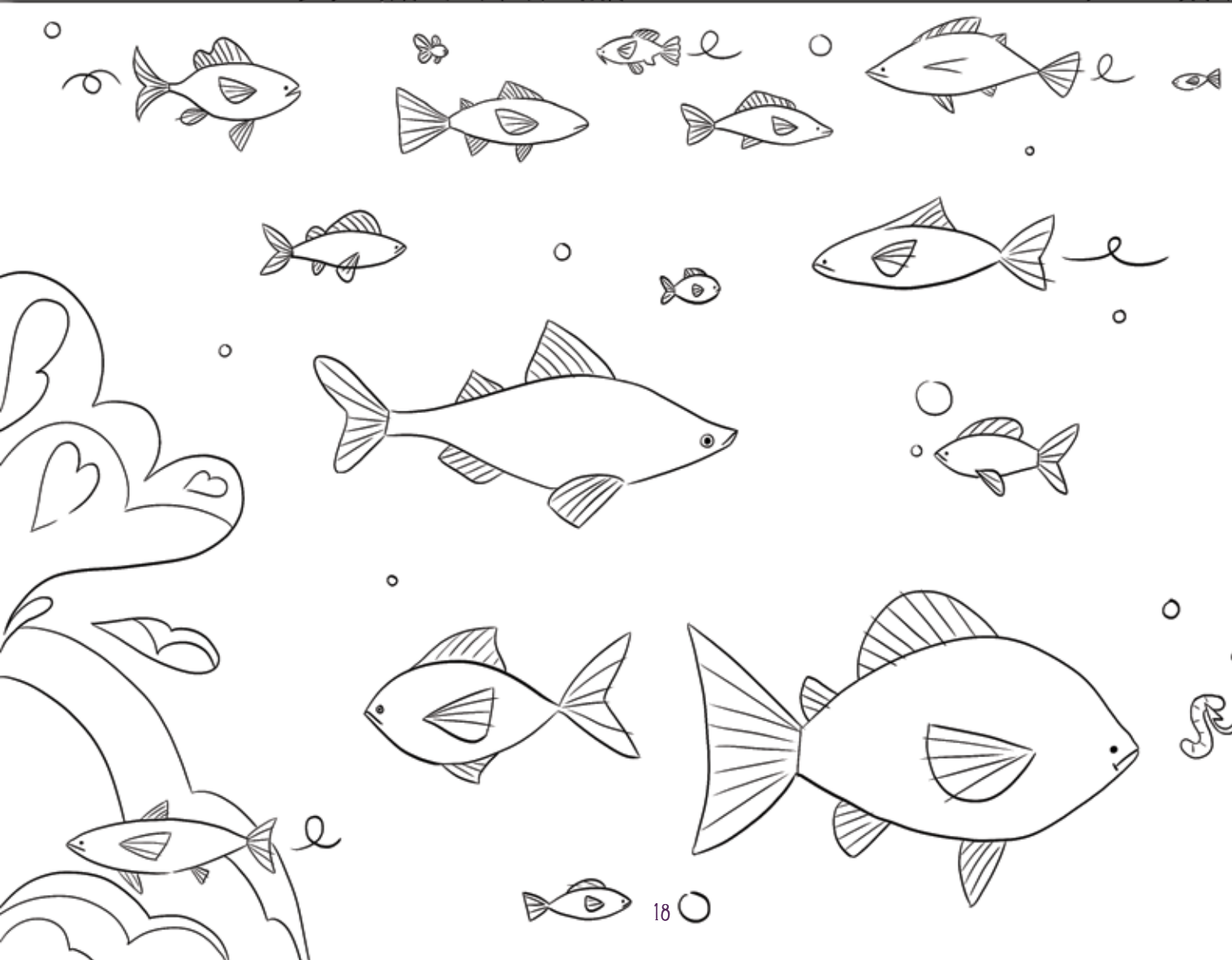
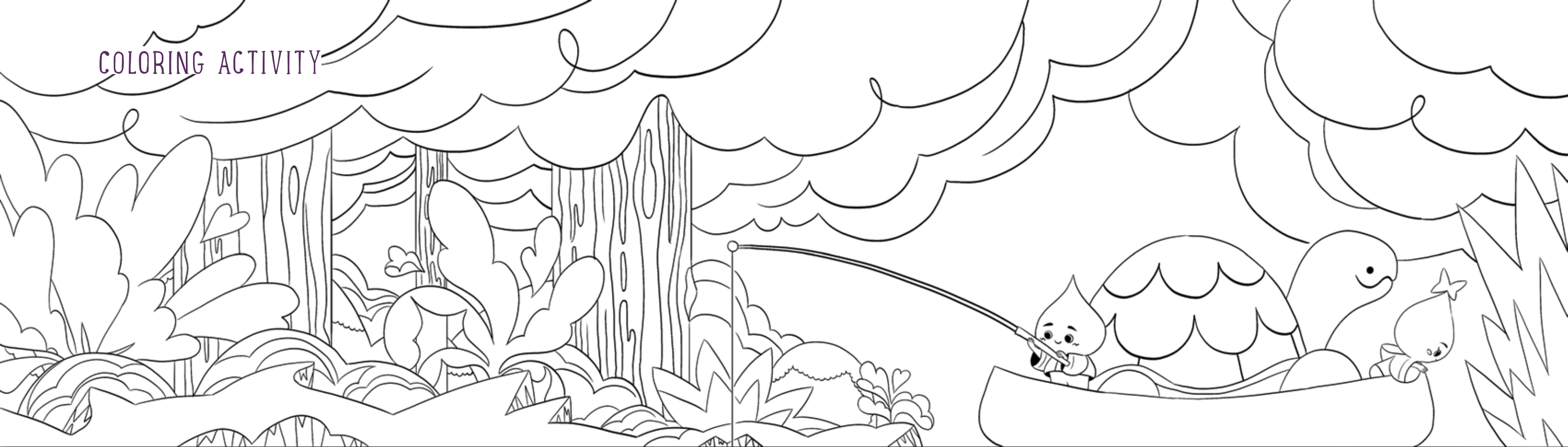


Wendy and Wally strolled with Trevor back to their home. Trevor wandered cheerfully into his yard. He nibbled on a sweet flower, nestled up amidst the cool, wild grasses and succulent cacti and the three of them reminisced about the great times they shared.

In the end, each and every one of us can be a water conservationist. When everyone does his or her part, we are all water smart!



COLORING ACTIVITY



WORD SEARCH



F C O N D E N S A T I O N C C F V T L C H W V
 S C C M G J D K B W E N D Y O R S C V L L A T
 E A R T H B G S X E J H R V N U O H E O F T R
 G W N P T Y D P I J E R O Y S O U N F U I E A
 H G K G C Y V R L H E U U Z E Z T R Q D J R N
 O T R C A K U E F T U N G I R A H W C U C S S
 C R R E S B T M A B R O H K V V E O O Y F P P
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 R V B A W E H I P M C F S W T W N F S Q O I R
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 M R O O E Y V E B L T Q R J O P A T R S O K T
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 R T A W K X R W A T E R C Y C L E E P M G R G
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|-----------------|---------------|-----------------------|-----------------|
| CLOUD | DROUGHT | RAINDROPS | TREVOR |
| COLORADO RIVER | EARTH | RUNOFF | WALLY |
| CONDENSATION | EVAPORATION | SAN GABRIEL MOUNTAINS | WATER CYCLE |
| CONSERVATION | FRESH WATER | SOUTHERN CALIFORNIA | WATER SPRINKLER |
| CONSERVE | MOJAVE DESERT | STATES OF WATER | WATER VAPOR |
| DESERT TORTOISE | PRECIPITATION | TRANSPIRATION | WENDY |

INCREDIBLE JOURNEY ACTIVITY

- River=Teal Bead
- Plant=Yellow Bead
- Lake=Green Bead
- Glacier=White Bead
- Cloud=Clear Bead
- Ocean=Dark Blue Bead
- Groundwater=Brown Bead



Travel around to the stations and grab a bead each time you roll the dice. Once the time is up, you will write down your water journey. You may write on a separate sheet of paper to complete this activity.

- 1:
- 2:
- 3:
- 4:
- 5:
- 6:
- 7:
- 8:
- 9:
- 10:

VOCABULARY WORKSHEET



Making Meaning with Words

In the Definition row, use a dictionary to write down the definition of each word listed. In the Sentence row, write a sentence using the word.

Arid (Page 2)

Definition

.....

Sentence

.....

Quench (Page 2)

Definition

.....

Sentence

.....

Habitat (Page 5)

Definition

.....

Sentence

.....

Molecules (Page 11)

Definition

.....

Sentence

.....

Population (Page 12)

Definition

.....

Sentence

.....

Succulent (Page 14)

Definition

.....

Sentence

.....

Conservationist (Page 14)

Definition

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Sentence

.....

TRACK YOUR WATER USE



Use the chart below to track your water usage at home over the weekend. In column 2, put a tally mark each time you participate in any of the water activities in column 1. Add all the tally marks in each line and put the total in column 3.

After completing your chart, explain what you learned about your water usage at home. Do you conserve water or are you a water waster? Include 3 details from your chart to support your claim. Be sure to have a closing thought on what you learned from this experience. You may write on a separate sheet of paper to complete this activity.

Column 1	Column 2	Column 3
How did you use water?	How many times?	Total
Washed your hands		
Took a bath		
Took a shower		
Flushed a toilet		
Brushed your teeth		
Used water to cook		
Drank a glass of water		
Washed dishes		



Column 1	Column 2	Column 3
How did you use water?	How many times?	Total
Washed clothes		
Filled a pet's water bowl		
Watered your garden		
Watered your lawn		
Washed your car		

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READING STANDARDS FOR LITERATURE



Author:

Title:

Characters: Describe a character in depth from the story.

<p>Character Trait:</p> <p>Cite text to support reasoning:</p> <p>Page:</p>	<p>Character Motivation: (wants)</p> <p>Cite text to support reasoning:</p> <p>Page:</p>
<p>Character:</p>	
<p>Character Mood: (emotional behavior)</p> <p>Cite text to support reasoning:</p> <p>Page:</p>	<p>Character Trait:</p> <p>Cite text to support reasoning:</p> <p>Page:</p>

Explicit Details: Create a question that promotes deeper thinking and provide textual evidence with your answer.

Question	Answer	Textual Evidence

What is the theme of the text?



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Specific details that provides evidence for the theme:

1.

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2.

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Summary:

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Figurative Language:

Find an example of figurative language:

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What it really means:

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JOURNAL ACTIVITY

The Water Chronicles

In this fun activity, you, Wendy and Wally get to share your home adventure with your classmates. Write an imaginative narrative including conversations between Wendy and Wally and you and your family and include descriptive details about the exciting water-saving adventure the three of you took. You may write on a separate sheet of paper to complete this activity.

Be sure to follow your writing standards and include:

- Use dialogue
- Follow a narrative format with beginning, middle and end
- Remember to use proper grammar, spelling and punctuation



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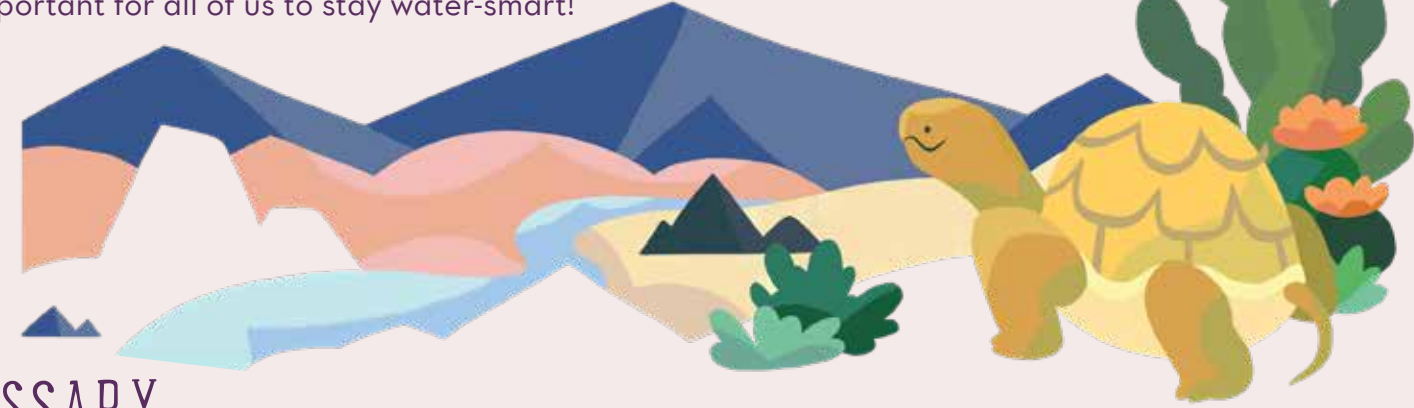
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CONCLUSION

You did it!

You've shown that you have what it takes to be a dedicated water conservationist just like Wendy and Wally. Thanks again for all your help! And remember, there are many ways you can help to save water each and every day. So be on the lookout! It's important for all of us to stay water-smart!



GLOSSARY

COLORADO RIVER	One of the main rivers that supplies water to California.
CONDENSATION	The process by which a liquid changes to a gas.
CONSERVATION	The act of protecting or preserving something like water.
CONSERVE	The action of protecting or preserving something like water.
DESERT TORTOISE	A native tortoise to the Mojave Desert.
DROUGHT	A long period of time with little or no rain or snow.
EVAPORATION	The process by which a liquid changes to a gas.
MOJAVE DESERT	A dry region of the Southwestern United States. This desert was named after the Native American people.
PRECIPITATION	Water that falls from clouds to Earth as rain, mist, hail, sleet, ice or snow.
RUNOFF	Water that flows over the ground and into streams and rivers.
STATES OF WATER	The three conditions in which water or matter can exist: a solid, liquid or gas.
TRANSPIRATION	The release of water through pores of a plant, leaves and other parts of plants and animals.
WATER CYCLE	The continuous movement of water between the atmosphere and Earth.
WATER VAPOR	Water in the form of a gas.



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