

MAYIM L'CHAIM

Water is Life

The Adventures of Tali and Dewey



Surfin
USA

Student Workbook

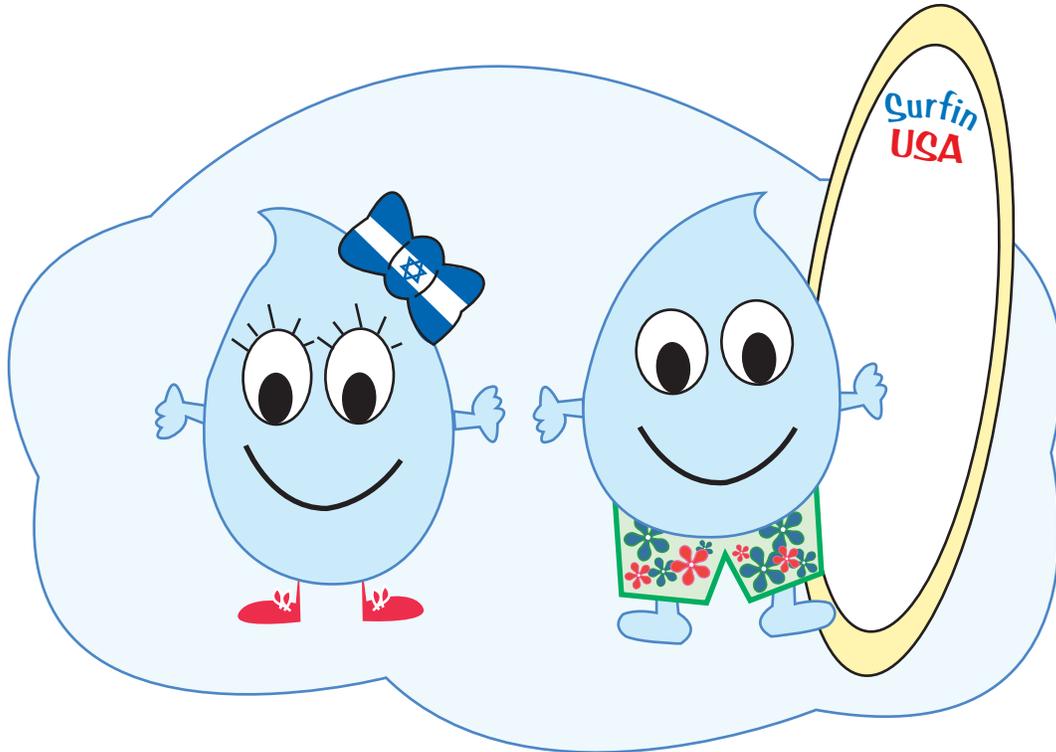
Written by: Sheva Locke, Shannon Stevens,
Meirav Zamzelig, Katherine Goldman,
Yael Baruk, contributor, Rebecca Hailpern
Edited by: Sheva Locke
Illustrated by: Maya Astor
Graphic Designer: Diana German

This project was created in partnership by
Valley Beth Shalom Day School in Encino and the David Bloch School in Tel Aviv
Made possible by a grant from the Jewish National Fund and the U.S. Forestry Service.

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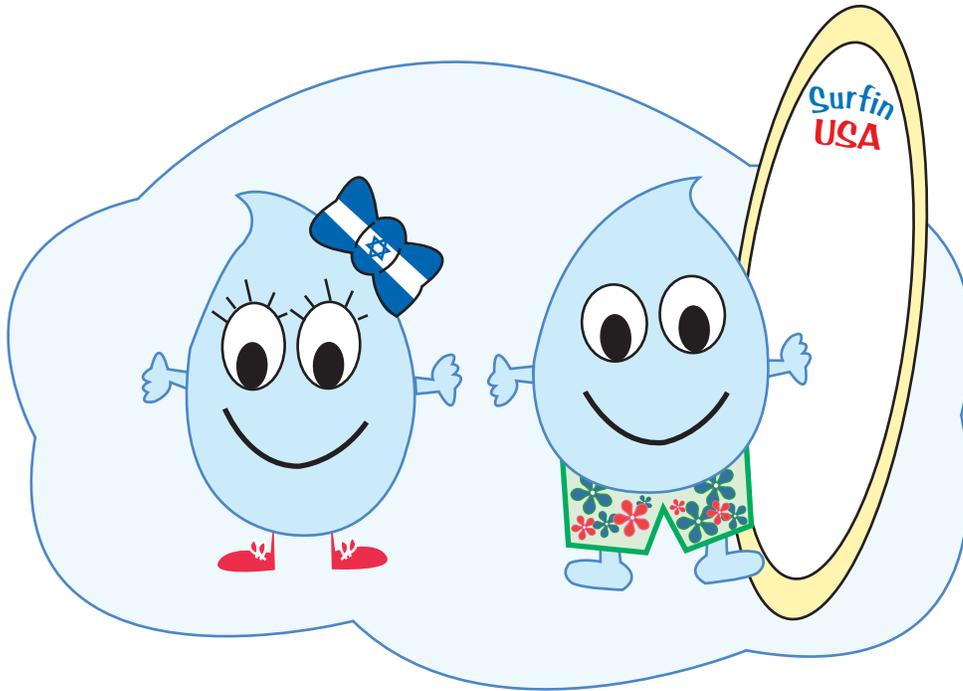
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The Adventures of Tali and Dewey



Dewey: Hi, my name is Dewey. Dude, what is your name?

Tali: My name is Tali. Can I join you in this cloud? What do you do up here for fun?

Dewey: I like to look down below as the cloud floats by, but everything looks so far away. I am getting tired of sitting all day long in this cloud.

Tali: Dewey, when was the last time you left the cloud?

Dewey: A few days ago I was surfing in the Pacific Ocean off of Malibu Beach in Los Angeles, California. That was really cool. Hey Tali, I am ready to go back and check out some more waves. Do you want to come with me?

Tali: I just came from Israel, from Lake Kinneret. I have traveled so far and I'm not even sure that I want to leave this cloud right now. Besides, are we really needed down there?

Dewey: What do you mean? We have to go! We are drops of water! Where I come from, all the surfing dudes say, "Mayim L'chaim, Water is Life." We are sitting up here on this cloud wasting time while we could be exploring the world down there!

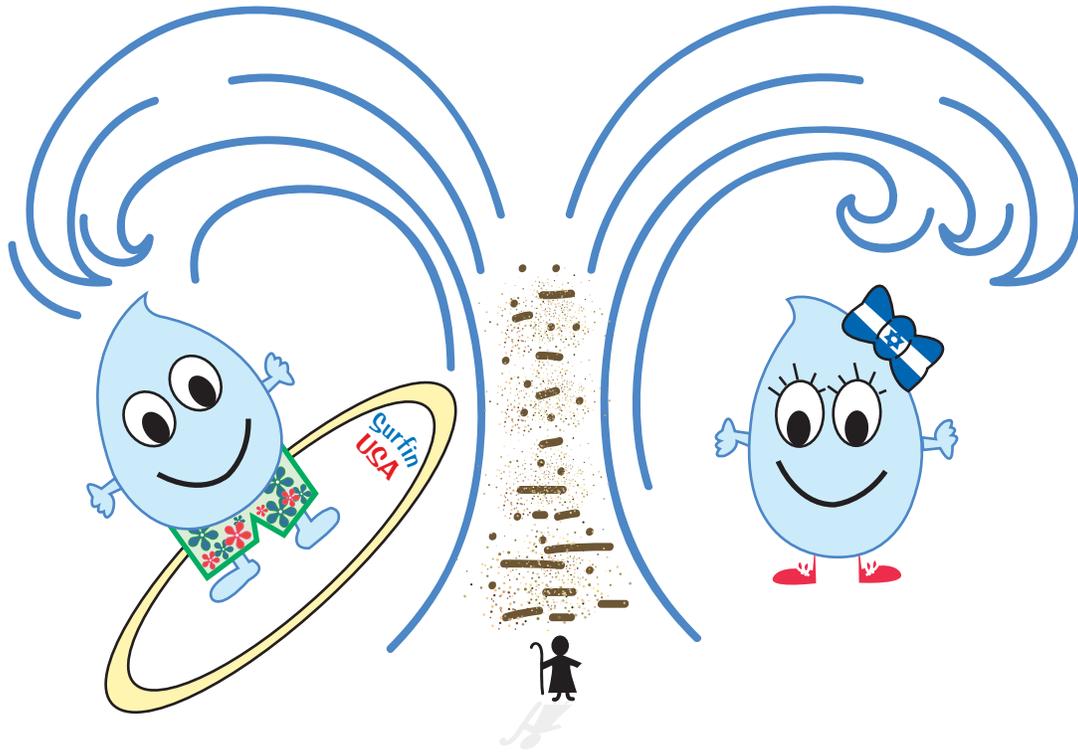
Tali: Well....I have always wanted to go to Niagara Falls, or the Indian Ocean, or the Nile River....it's the longest river in the world you know.

Dewey: Tali, let's go on an adventure and see what they mean when they say "water is life"!

MAYIM L'CHAIM

M	A	Y	I	M
				<p>Steam is invisible</p>
<p>Snow is a form of precipitation</p>				
		<p>FREE SPACE</p>		
				
	<p>Dew is a form of condensation</p>			

Tali and Dewey: What's Jewish About Water?



Tali: Wow! Water is really important! I had no idea that so much of the world is made up of water!

Dewey: Water has always been important since the world began. Now that I think about it, there are so many stories about water in the Torah...like when the Red Sea was parted and the Israelite slaves followed Moses to freedom.

Tali: That's a good story, but I really like Noah's Ark. I could never imagine living on a giant boat with all those animals!

Dewey: Animals, what about the flood? Those were the best surfing waves yet.

Tali: Stories about water in the Torah make me feel so special. I wonder what other stories we can find in the Torah.



Water in the Torah and Jewish Texts



“And God said: Let there be a firmament in the midst of the waters and let it divide the waters from the waters. And God made the firmament and divided the waters that were above the firmament from the waters that were below the firmament: and it was so. And he called the firmament Heaven. And there was evening and there was morning, a second day.”

Genesis 1:6-8

The role of water is _____

And God said to Noah: The end of all flesh has come for the earth is filled with corruption and violence. Make me an ark.....Behold, I will bring the flood waters upon the earth, to destroy all flesh...everything that is on the earth shall perish. But with the, I will establish a covenant. And the waters prevailed, and increased greatly upon the earth; and the ark went upon the face of the waters.”

Genesis 6

The role of water is _____

Rebekah..”went down to the fountain and filled her pitcher, and came up... And the servant ran to meet her, and said: Give me to drink; I pray thee, a little water of they pitcher... And when she was done giving him a drink, she said: I will draw for thy camels also, until they are done drinking,”

Genesis 24:18

The role of water is _____

God said to Moses: stretch out your hand over the sea, that the waters may come back upon the Egyptians, and Moses stretched forth his hand over the sea, and the sea returned... and the Egyptians fled against it; and the Lord overthrew the Egyptians in the midst of the sea. And the waters covered the chariots and the horsemen, there remained not a one of them....So Moses brought the Israelites across the Red Sea and they went out to the wilderness of Shur.

Exodus 14:26

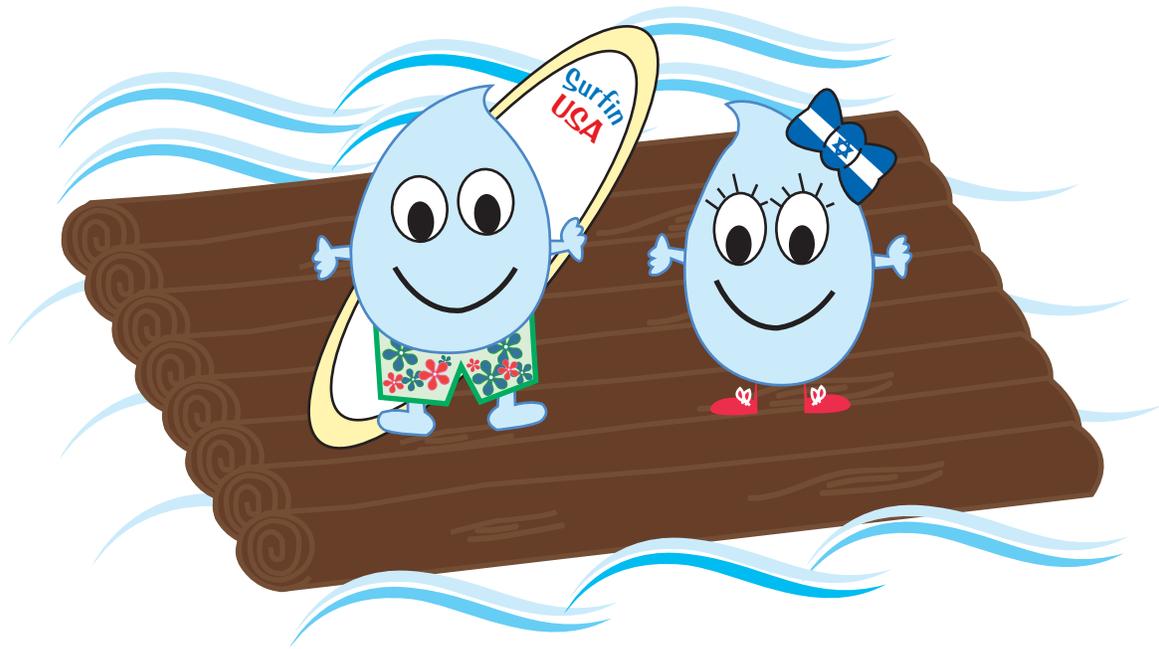
The role of water is _____

Miriam, Moses’s sister had a well that supplied water to the Israelites as they wandered through the desert after leaving Egypt. Miriam’s well provided all the water that was needed to sustain the Israelites.

Aggadah

The role of water is _____

Tali and Dewey: Where Does Water Come From?



Tali: Dewey, where should we begin our adventure?

Dewey: It's a big world out there. Where should we start? You said that you were from Israel. Do they have any good surfing waves out there?

Tali: Well there are great beaches off of Tel Aviv on the Mediterranean Sea for swimming and sailing. I think you would really like the Jordan River where we can go river rafting. Besides being a lot of fun, the Jordan River is really important because it supplies all the fresh water for the whole country.

Dewey: That's just like the Colorado River that brings some of the fresh water to Los Angeles. Let's go see both rivers and see where the water comes from. Will you take me to Israel?

Tali: Only if you will take me to Los Angeles. I have always wanted to go to Hollywood!

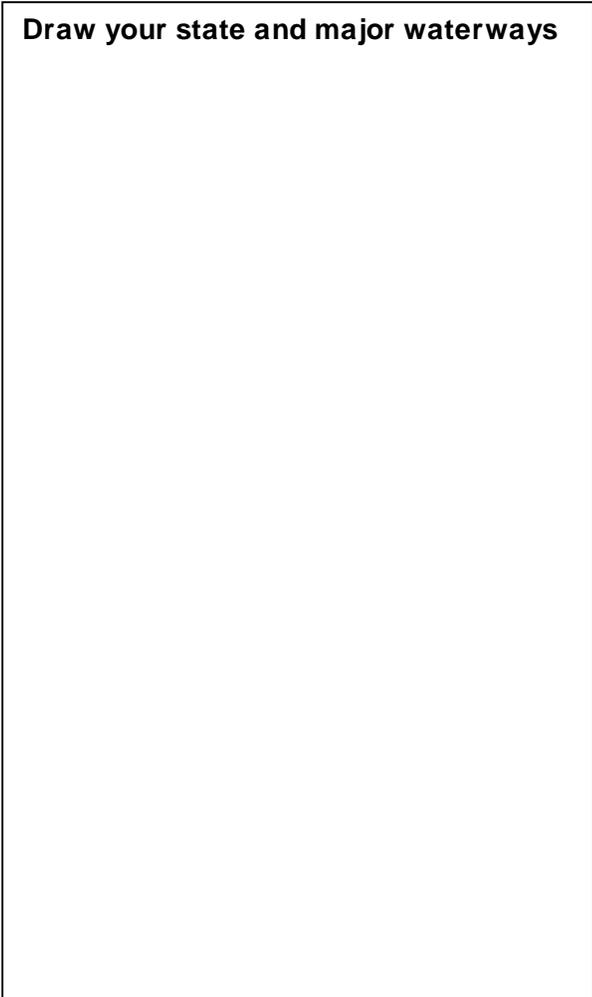
Dewey: Great, let's go.

Where Does The Water Come From?

My State Waterways

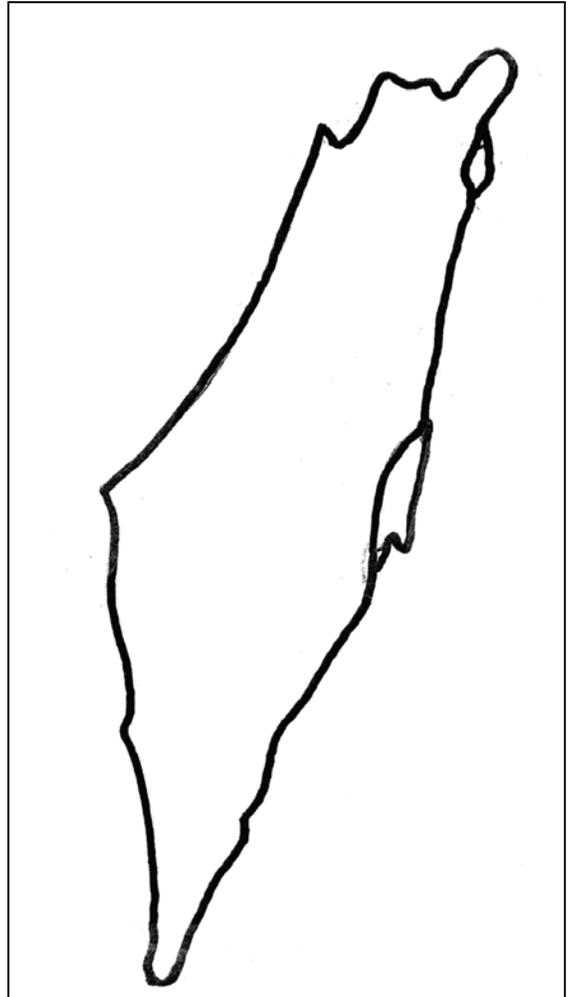
1. If you live in the United States, put a star on the map for the place that you live.
2. Color the major waterways in your state that lead to your city.
3. Which waterway is the most important for your family to ensure that there will be enough water for your use? _____

Draw your state and major waterways



Israel Waterways

1. If you live in Israel, put a star on the map for the place that you live.
2. Color the Jordan River, Lake Kinneret, and the Dead Sea.
3. How long is the Jordan River in Israel? _____
4. Why is the Sea of Galilee called Lake Kinneret?



Water Detective Investigation

In your designated area, observe what is around you. Find as many examples of the water information listed below in 15 minutes. Use the colored markers/pencils to mark your observations on your school grounds map.

Choose a reader, reporter, recorder, time keeper and an artist.

1. Look for places where water can go into the ground.
Draw **green** dots to show these places on your map.

grass bare dirt gardens tree wells

2. Look for sources of water.
Draw a **blue** water drop to show these places on your map.

faucets drinking fountains sprinklers hoses

3. Look for places where water travels.
Draw a **purple** square to show these places on your map.

gutters down spout drain catch basin

4. Look for trash and other things that could be harmful to water.
Use a **red x** to show these items on your map.

lunch trash candy wrappers motor oil

lawn/field care products

5. Look for areas where water is wasted.
Use a **black star** to show these areas on your map.

leaky faucets & sprinklers clogged drains

water sprayed on concrete

My School Yard Map



Tali and Dewey: Around We Go...The Water Cycle



Dewey: Israel was amazing. I loved going down the Jordan River and seeing the country. There were so many different places to see—from mountains to farms, cities and even the desert. Israel is so beautiful. I can see why water is so important there.

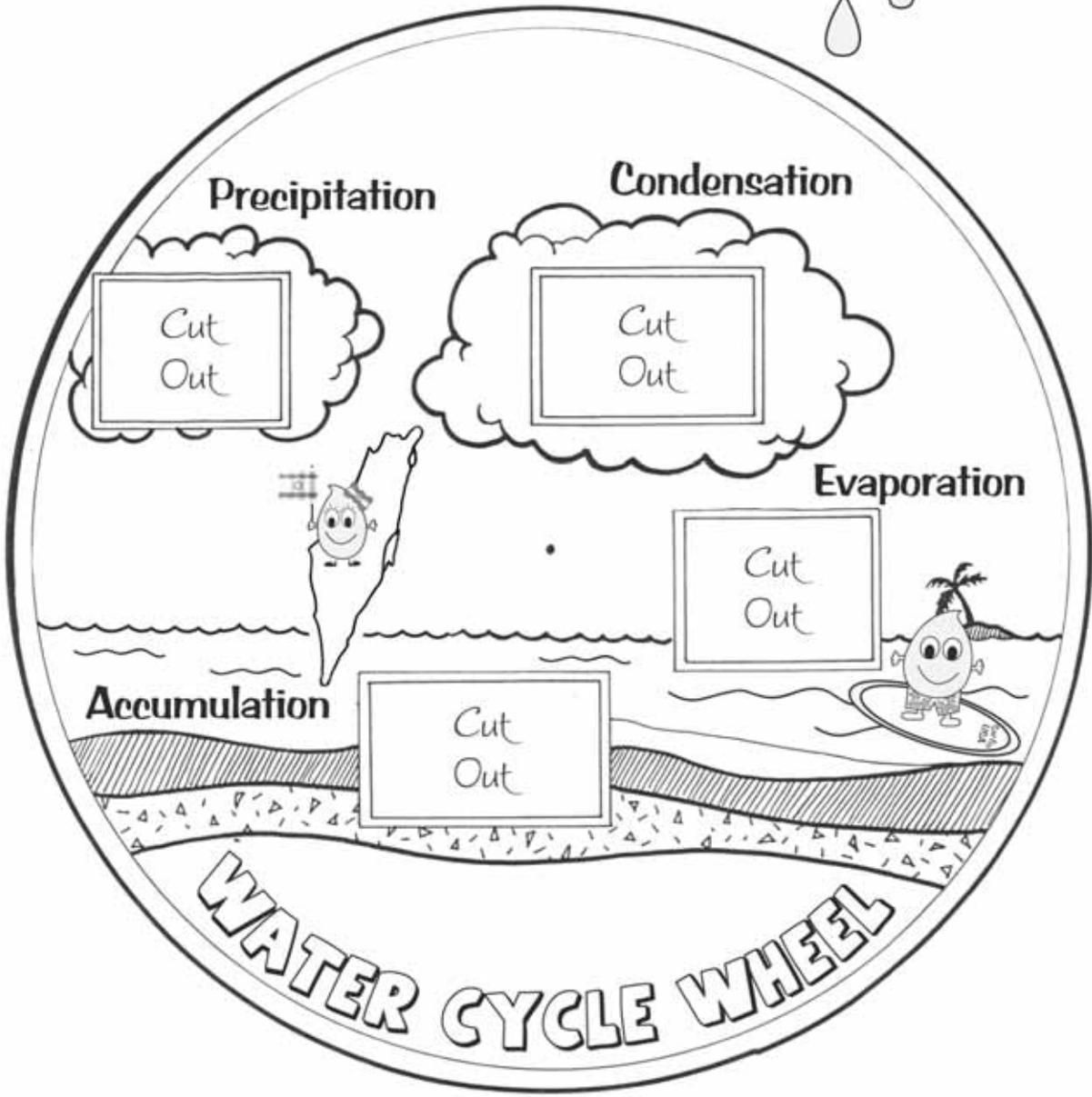
Tali: Did you know that over the last 60 years millions of trees, most of the farms and even the nature blooming in the desert were planted by Israelis to make Israel green again? Can you imagine how much water is needed to plant it all and keep everything growing?

Dewey: I never thought about that. Mayim l'chayim...water is life in Israel.

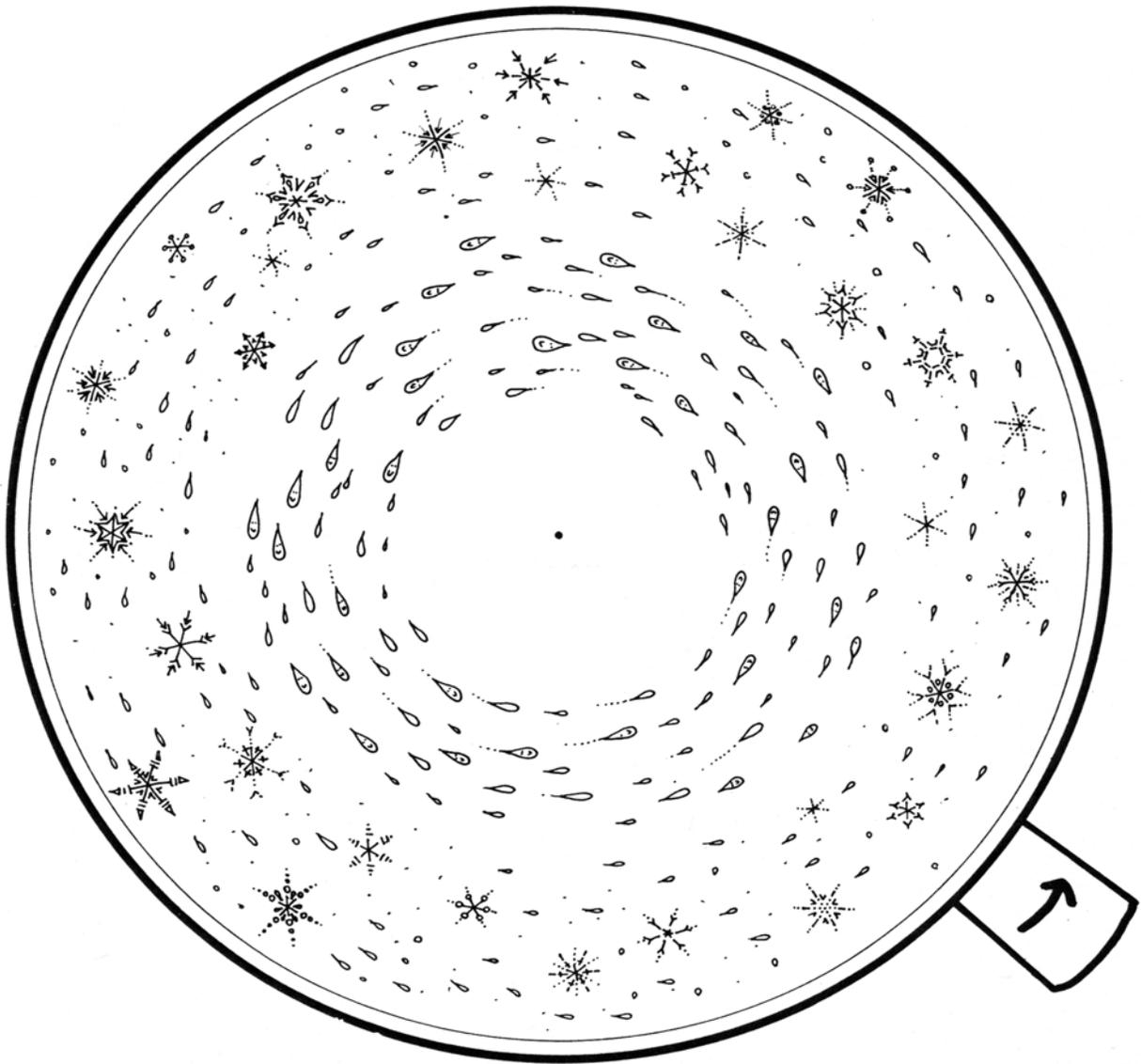
Tali: Well, I really enjoyed visiting Los Angeles. I never expected the Colorado River to be so long and have so much water. I guess they need a lot of water in Los Angeles because there are so many people, gardens and fun things to do with water. They even have water parks with big waterslides.

Dewey: Being on the rivers and waterways was fun! Now where should we go next? We will need to catch a cloud to get to our next adventure. I like going up and down from the earth to the clouds over and over again. It's good exercise. Hold on, here we gooooooooooooo.

Moving Raindrops



Moving Raindrops



Tali and Dewey: Don't Waste Water



Tali: Dewey, you said that water is for life, Mayim L'chayim. Did you see all the water that was coming out of this metal pipe? It must be important if it is in a house.

Dewey: Yes, that is called a sink. People use this water to drink, wash their hands and faces, brush their teeth, and wash all sorts of things.

Tali: Does the water keep coming out all the time like a river?

Dewey: No, there is a handle where you can turn it on and off.

Tali: Then why is this sink running like a river?

Dewey: I guess someone forgot to turn it off. What a waste of water! All our friends, down the drain for nothing.

Tali: People must think that water is endless. Did you know that there are some people in the world that don't have enough fresh water to drink? People should be more careful!

Dewey: I agree. Maybe if people knew how much water they were really using they would conserve.

Tali: What is conserve?

Dewey: Conservation is saving water for when you really need it and only using what you need. This way, the fresh water won't run out and there will be Mayim L'chaim.

Home Water Usage Survey #1

Water Use Task	Gallons	Weekday Choose 1 day	# Gallons Used	Weekend Choose 1 day	# Gallons Used	Observations
		# of times		# of times		
Flush toilet	6					
Run faucet for 1 minute (waiting for water to get hot or cold)	4					
Fill a bathtub	40					
Shower	35					
Run dishwasher	15					
Wash a load of dishes by hand in a basin or plugged sink without water running	4					
Wash a load of dishes by hand with water running	30					
Wash a car (water off while soaping)	40					
Wash a car (water on while soaping)	180					
Wash 1 large load of clothing	45					
Wash 1 small load of clothing	30					
Brush teeth with water running	2					
Brush teeth with water off	1					
Wash hands	1					
Drink water	.25					
Water lawn (20 minutes)	150					
Water plants						
Clean driveway or sidewalk with hose						

Home Water Usage Survey #2

Water Use Task	Gallons	Weekday Choose 1 day	# Gallons Used	Weekend Choose 1 day	# Gallons Used	Observations
		# of times		# of times		
Flush toilet	6					
Run faucet for 1 minute (waiting for water to get hot or cold)	4					
Fill a bathtub	40					
Shower	35					
Run dishwasher	15					
Wash a load of dishes by hand in a basin or plugged sink without water running	4					
Wash a load of dishes by hand with water running	30					
Wash a car (water off while soaping)	40					
Wash a car (water on while soaping)	180					
Wash 1 large load of clothing	45					
Wash 1 small load of clothing	30					
Brush teeth with water running	2					
Brush teeth with water off	1					
Wash hands	1					
Drink water	.25					
Water lawn (20 minutes)	150					
Water plants						
Clean driveway or sidewalk with hose						



Conserving Water....I Can Do It!



Brainstorm a list of ways that you can conserve water at home.

Choose five ways that you can conserve beginning today.

1. _____
2. _____
3. _____
4. _____
5. _____

Make five or more Tali and Dewey conservation action cards writing one of these five ideas on each card. Place the cards around your home to remind your family and yourself to conserve water.



**Water Awareness
Card**



**Water Awareness
Card**



**Water Awareness
Card**



**Water Awareness
Card**



**Water Awareness
Card**



**Water Awareness
Card**



**Water Awareness
Card**



**Water Awareness
Card**



Tali and Dewey: Planting Our Friendship Garden



Dewey: I feel better now that the sink is turned off and the water isn't being wasted in that house anymore. It is such a simple thing but I guess people need to learn not to waste water.

Tali: I agree. Water is also used outside of the house to make things grow. Plants, flowers, trees and all of nature needs water to live and grow.

Dewey: I wonder how much water it takes to help the plants in a garden grow from seeds or small plants?

Tali: I have an idea. What if we plant our own garden and add just enough water so the plants can grow? It will be beautiful. We can call it our Friendship Garden.

Dewey: Great idea, Tali. We can create a Friendship Garden with plants that grow in both Israel and Los Angeles.



My Partnership Garden

(Take a picture or draw a picture of each plant).



- Plant Type _____
- How much water is needed? _____
- How much sun or shade? _____

- Plant Type _____
- How much water is needed? _____
- How much sun or shade? _____

- Plant Type _____
- How much water is needed? _____
- How much sun or shade? _____

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- How much water is needed? _____
- How much sun or shade? _____

- Plant Type _____
- How much water is needed? _____
- How much sun or shade? _____

- Plant Type _____
- How much water is needed? _____
- How much sun or shade? _____

Water is Life

Tell Tali and Dewey what you learned about the importance of water. List water facts starting with the letters in the word MAYIM. List ways that you can conserve water starting with the letters in the word L'CHAYIM. Show how you can help ensure that water is for life!

M _____

A _____

Y _____

I _____

M _____

L _____

C _____

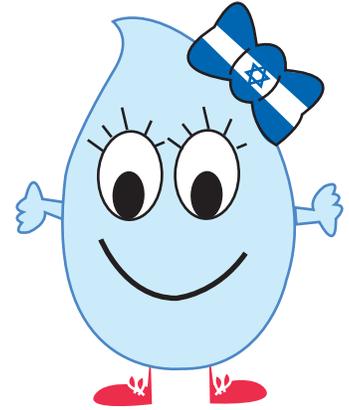
H _____

A _____

Y _____

I _____

M _____



Water Facts Answer Key

What percent of the Earth's water is salt water? 97%	What is the largest consumer of water? Agriculture
What percent of the Earth's water is fresh water? 3%	What is the most common substance on Earth? Water
What percent of an adult's body is water? 65%-70%	How many gallons do you use while brushing your teeth? 2-5 gallons
What percent of the Earth is covered with water? 75%	What does "hydro" mean? Hydro means water
What percent of your brain is water? 75%	How many gallons of water does the average person use in a day? 100 gallons