

# **WATER ACTIVITY BOOK**

**BEST FOR GRADES 4-6**



**GAMES,  
PUZZLES,  
ACTIVITIES &  
MORE INSIDE!**

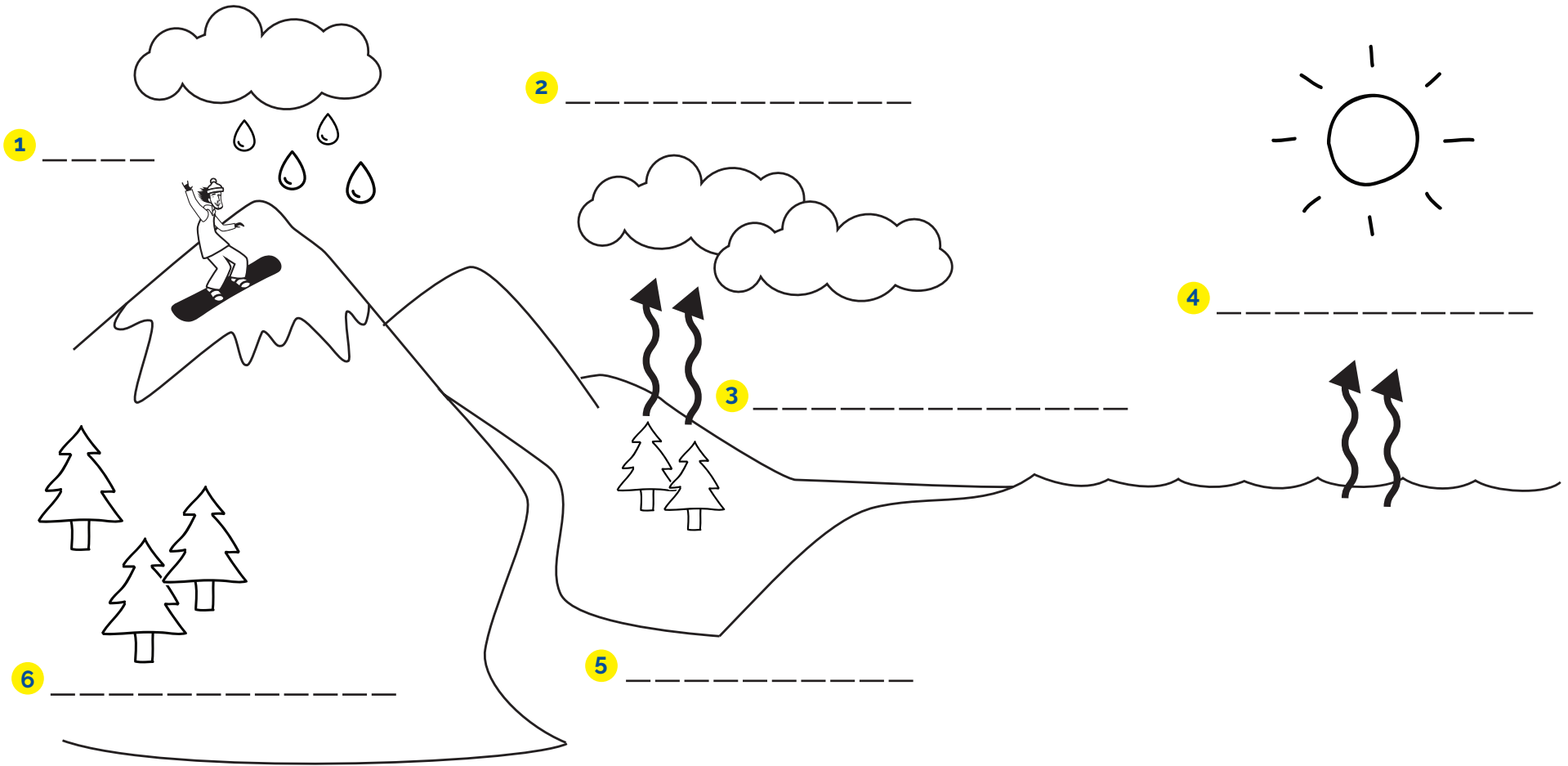
# Did you know that Maine Water is your local water provider?

**The water that comes out of the tap every time you turn it on is delivered by us!** Water is one of the most important resources on the planet, and Maine Water is committed to providing safe, high quality water to you and your family every day of the year.



# THE WATER CYCLE

**INSTRUCTIONS:** Color and label the parts of the water cycle.



## CLUES:

- 1** What is it called when water droplets merge, become more dense, and fall?
- 2** What is it called when water goes from gaseous to liquid state?
- 3** What is it called when water comes out of plant leaves?
- 4** What is it called when water goes from liquid to gaseous state?
- 5** What is it called when liquid water flows from land to body of water?
- 6** What is it called when liquid water seeps into the soil?

# find the water words

## INSTRUCTIONS:

Water is everywhere! You use it in the kitchen, the bathroom, and in almost every part of your life. It also takes up almost three-quarters of the earth's surface and plays a vital role in climate and ocean systems. Can you find the water words in the letters below?

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

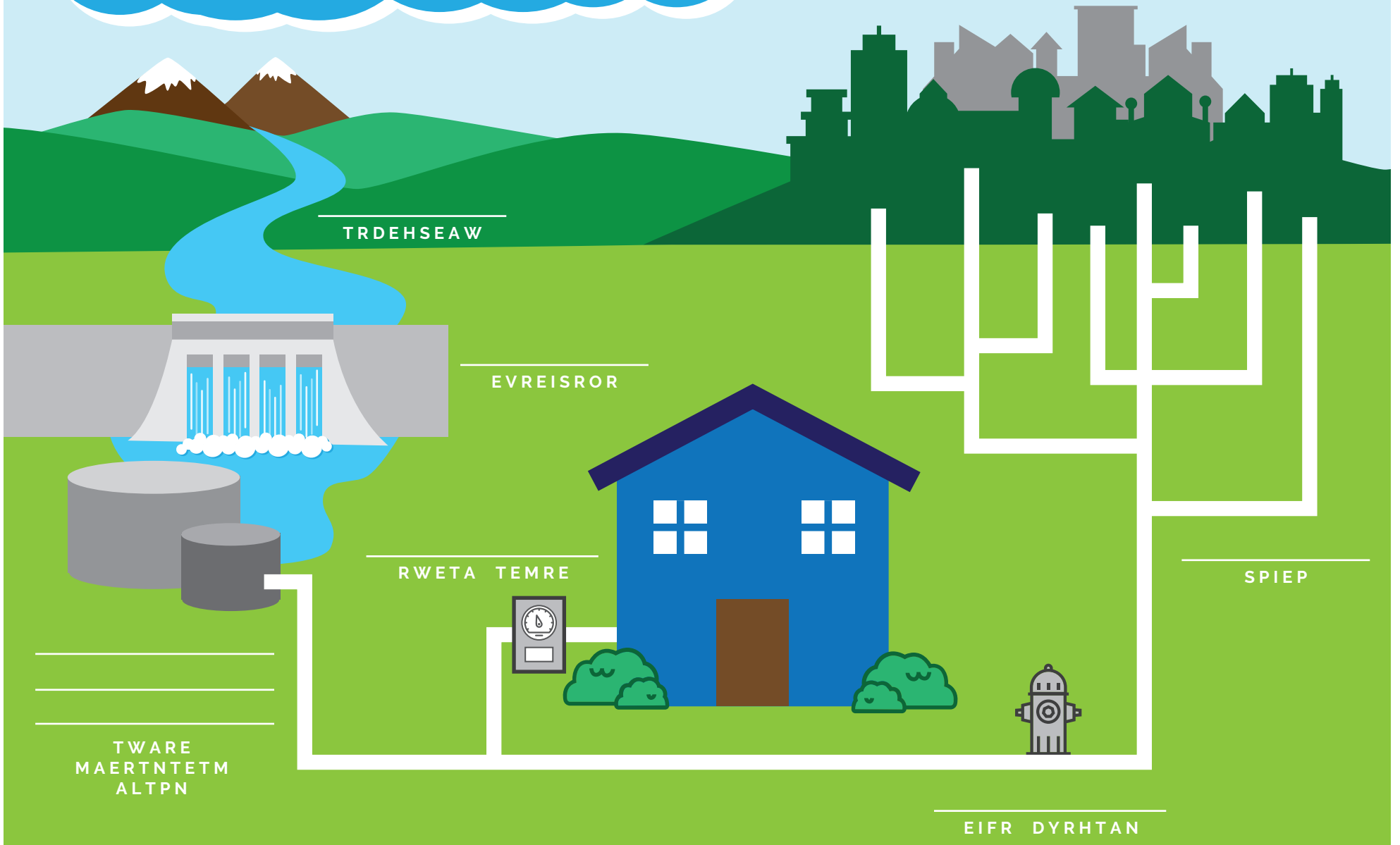
## WORD BANK:

Hydrosphere	Rainfall	Laundry	Lake	Drought	Evaporate
Ocean	Energy	Garden	Aquifer	Tsunami	Puddle
Shower	Wave	Swim	Runoff	Drink	



# WHERE YOUR WATER COMES FROM

**INSTRUCTIONS:** Unscramble the words to find out how water travels from the source to your tap.



TRDEHSEAW

EVREISROR

RWETA TEMRE

TWARE  
MAERTNTETM  
ALTPN

SPIEP

EIFR DYRHTAN

# THE JOURNEY OF A WATER DROP

## INSTRUCTIONS:

It may not always look like it, but water is constantly moving. As you've learned while studying the water cycle, water changes from solid to liquid to gas and back as it moves around the world. In the space below, write the story of a water drop's journey through the water cycle and to your home. Be sure to discuss the forms water can take and include the words from the word bank.

**WORD BANK:** Molecules    Land    Pipes    Faucet  
Ocean    Runoff    Pump  
Freshwater    Pollutant    Sun

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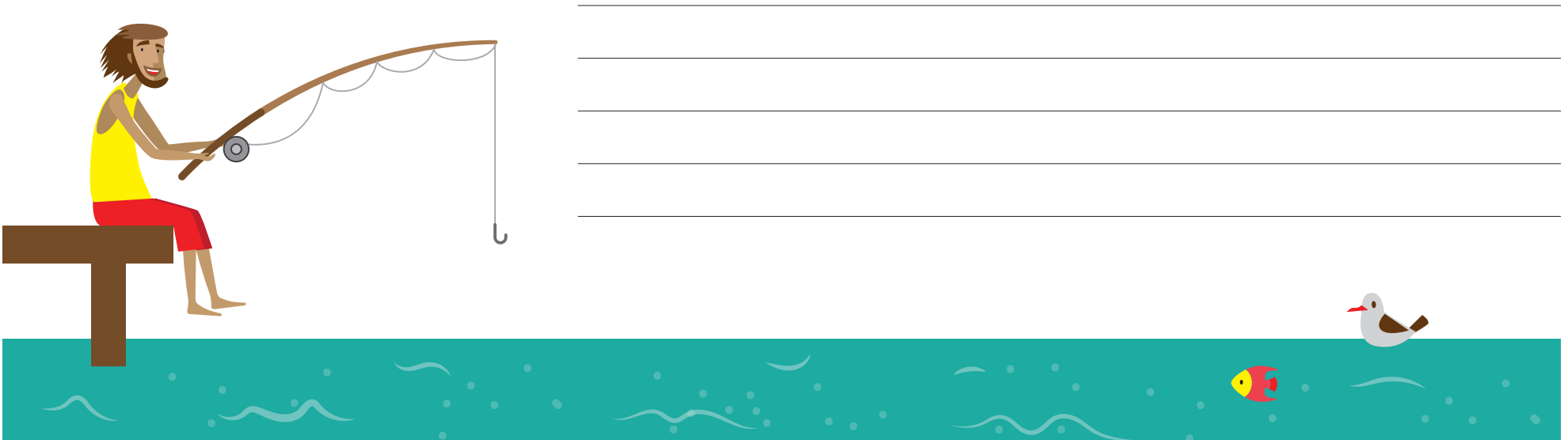
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## ACTIVITY

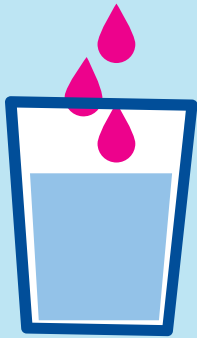
# WATER CYCLE IN A BAG

With this activity, you can model the entire water cycle in your home!

### WHAT YOU'LL NEED:

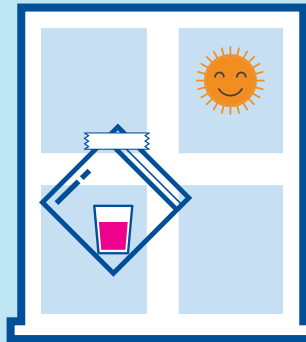
- Gallon size resealable plastic bag
- Red food coloring
- 1 Clear plastic Dixie cup
- Duct tape
- Water

### STEP 1



Fill the plastic cup about halfway with water, and put a few drops of food coloring in it.

### STEP 2



Place the cup in a corner of the plastic bag and tape the bag to a well-lit window for a week.

### STEP 3



Notice the water that collects under the Dixie cup isn't the same color as the water in the cup. That's because the water evaporates and "rains" back down, but the food coloring stays put.

## ACTIVITY

# GROW BEANS IN BAG

Plants get what they need to grow from water and air. With this activity, watch beans begin to sprout from just that!

### WHAT YOU'LL NEED:

- Dried beans (any kind)
- Sandwich or quart size resealable plastic bag
- 1 Paper towel
- Water

#### STEP 1

Dampen the paper towel and place it in the plastic bag.



#### STEP 3

Place the bag by a well-lit window for a couple days.



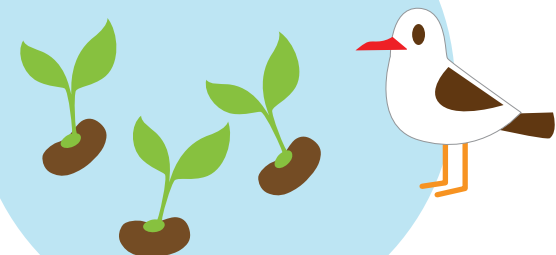
#### STEP 2

Put 3 to 5 dried beans on top of the paper.



#### STEP 4

Watch the beans sprout!





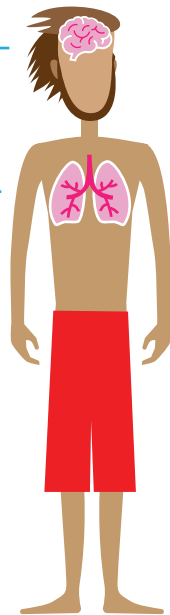
# HUMANS AND WATER

## Water & Your Body

Did you know that...

Your **brain** is **70%** water? \_\_\_\_\_

Your **lungs** are **90%** water? \_\_\_\_\_



Water helps us **regulate internal temperature, breakdown food, and eliminate waste!?**

**Remember to drink about 6 cups of water per day** (and to drink water whenever you feel thirsty) to keep your body running smoothly!



## Human Impacts on the Water Cycle

**INSTRUCTIONS:** Use the pictures below to help fill in the answers.

**1**

How does runoff cause pollution?

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**2**

What happens when glaciers melt?

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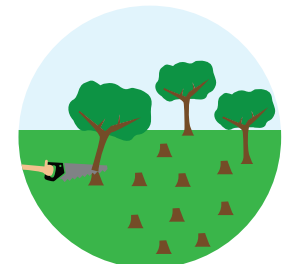


**3**

Which part of the water cycle might deforestation impact?

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Answers on last page of activity book.

# TAKE THE WATER WARRIOR PLEDGE

I, \_\_\_\_\_, pledge to conserve water as much as I can.

I will save water by \_\_\_\_\_

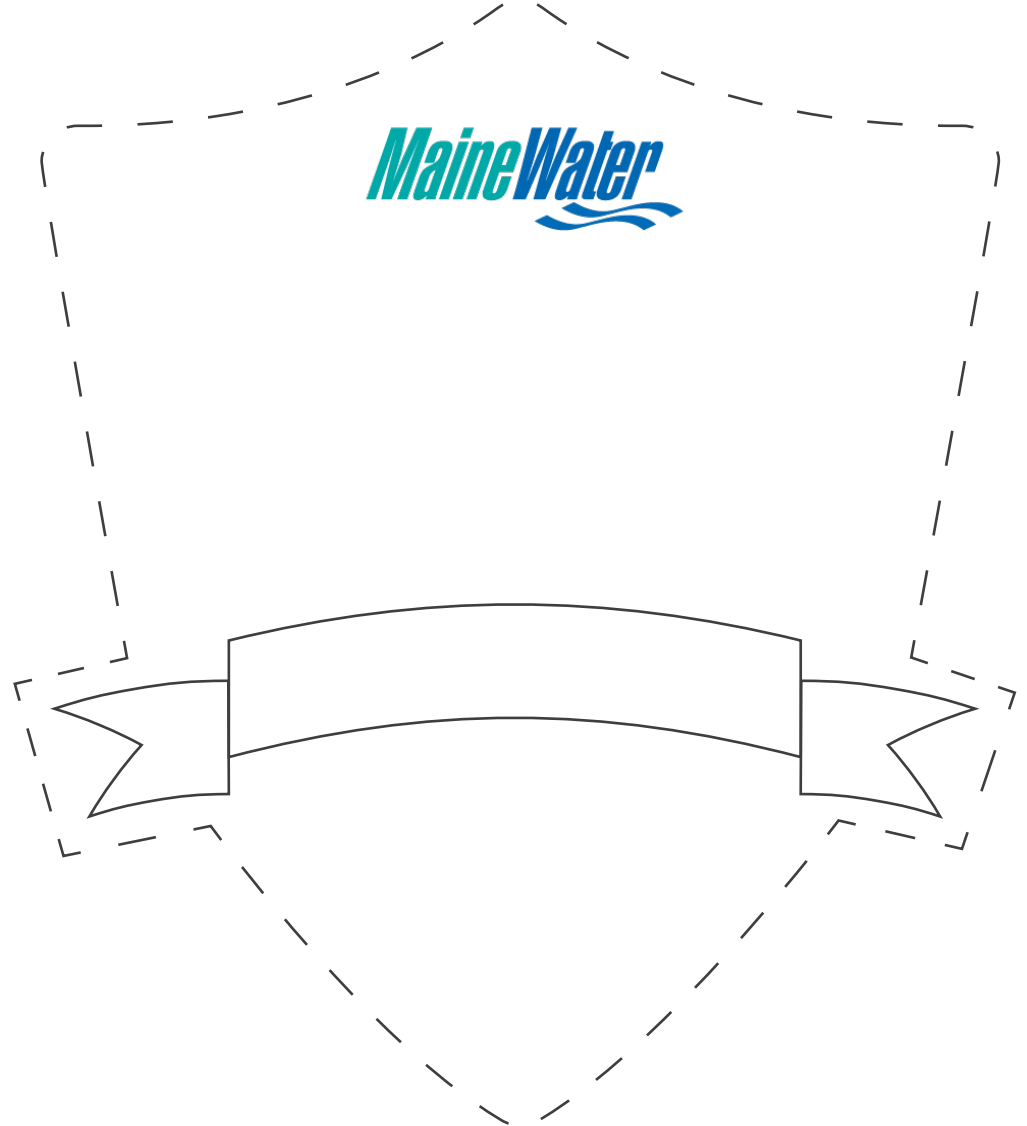
\_\_\_\_\_

Signature: \_\_\_\_\_



Now that you've taken the pledge, design your own Water Warrior badge!

Use scissors and tape to cut out and wear your new badge with pride!



**Correct Answers for Human Impacts:**  
1. Runoff water from roads and farms picks up pollutants and the flows into rivers and groundwater.  
2. The sea level rises.  
3. Transpiration OR Runoff

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to Learn More?



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