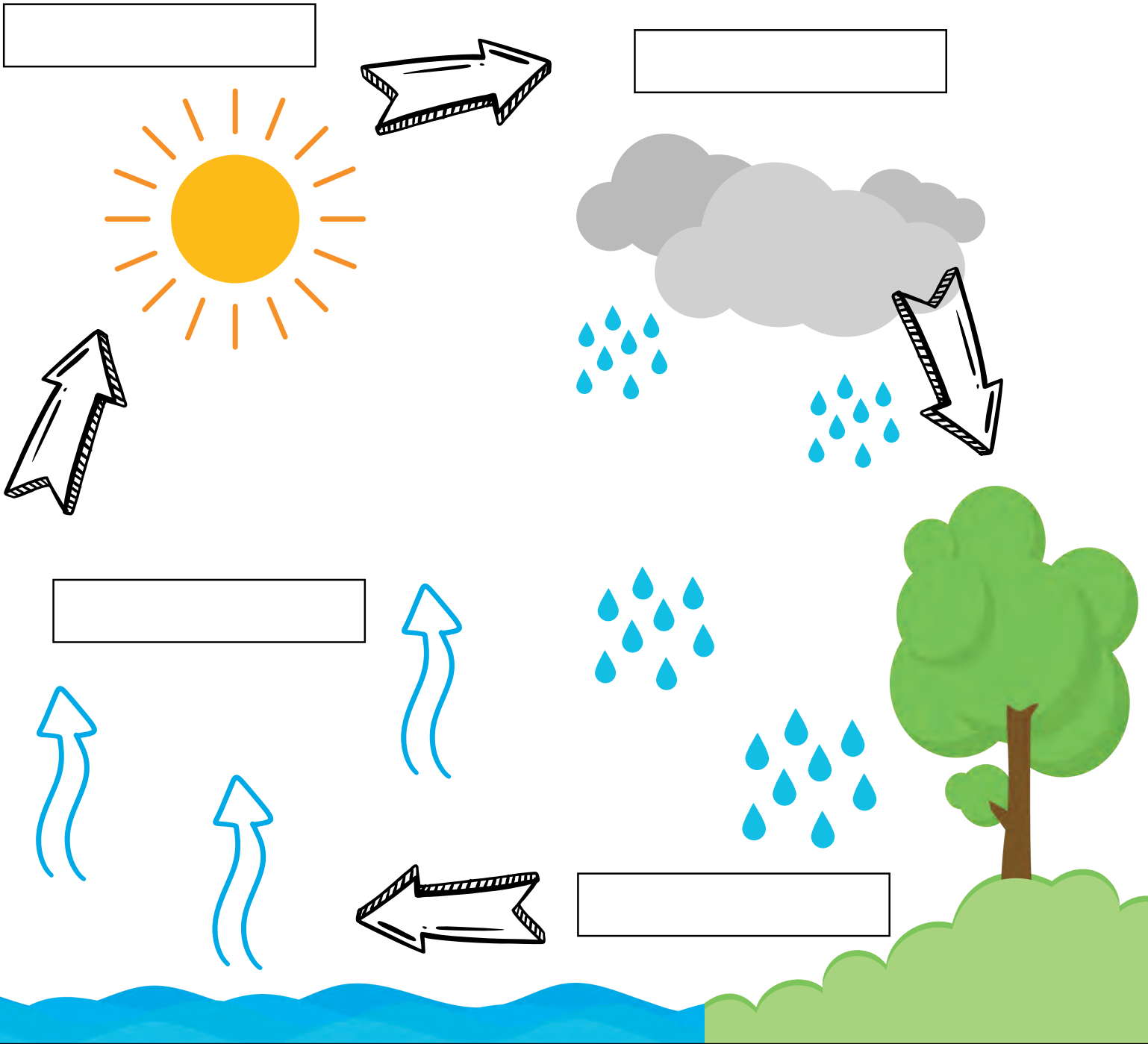


# WATER CYCLE

Label the water cycle diagram. Use the word bank below.



## WORD BANK

condensation

evaporation

precipitation

collection

# WATER CYCLE IN A BAG

There are four steps to the water cycle. You probably know them or have heard of them:

Let's start with **evaporation**. During evaporation, heat from the sun causes water to turn into a gas called water vapor. This gas rises into the atmosphere. As the water rises higher into the air, it cools down, turns back down, and forms clouds. We call this cloud-forming step **condensation**. When the clouds become too saturated with water and the water becomes too big and heavy for the air to hold up any longer, gravity will pull that water to the ground in a step called **precipitation**.

Rain, hail, sleet, drizzle, and even snow are all forms of precipitation. After the rain or other form of precipitation falls to the ground, it collects in the ground, ponds, lakes, rivers, oceans and other bodies of water. You guessed it, this step of the water cycle is called **collection**.

These four steps then repeat in the water cycle - and with just a window, some water, and a resealable bag, you can create your own water cycle!

## MATERIALS NEEDED

- Window - one that receives some rays from the sun
- Resealable plastic bags - quart size
- 1/4 c. water
- Tape, to secure bag to window
- Markers
- Food coloring



# WATER CYCLE

The water that we have on Earth is all we will ever have. The water cycle is the process of water cycling around Earth as collection, precipitation, condensation and evaporation. Research these terms and explain them in your own words.

collection

precipitation

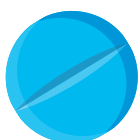
condensation

evaporation

# FIND AND FIX A LEAK

## FIND AND FIX LEAKS IN YOUR HOME!

Leaks can waste a lot of water without us realizing it! They can happen in a few places, like toilets, faucets, showers, bathtubs, pipes, hoses, and sprinklers. Take a look around and see if your home has any leaks.



### TOILET TEST (5TH GRADE ONLY):

Put one tablet into the toilet tank (have a parent help). Wait 15 minutes - do not flush! If you see a color in your toilet, then you have a leak. Flush when you are done testing.



### LEAK SCAVENGER HUNT:

Walk through each room at home and check for leaks. Record any that you find below and whether you were able to fix it. Hint: check toilets, faucets, shower/bathtub, hoses, pipes, and sprinklers.

ROOM

ANY LEAKS?

DID YOU FIX THE LEAKS?

ROOM	ANY LEAKS?	DID YOU FIX THE LEAKS?



# FIND AND FIX A LEAK

## FIND ADDITIONAL LEAKS:

Find Additional Leaks: Some leaks are not so easy to detect. Sometimes, water can flow down from the leak and collect in one place. When the water drips in one spot, it can form a stain on the wall or ceiling. For an extra challenge, find an adult and have them help you search for clues for water damage in your home. Check on walls, ceilings, and underneath sinks for stains that look wet, warped, and discolored.

Did you find any clues for water damage?

---

If you found water damage, where did you find it?

---

Thanks for being a Water Warrior and finding the leaks in your home. What is one thing you pledge to do to use less water? (For example: tell an adult about any leaks I found, fix the leaks, and share what I learned)

---

---

---

---

---

---

---

---



# MY WATER GOAL

NAME:

---

TEACHER:

---

I CAN CONSERVE WATER BY:

---

---

---

---

Write a water conservation goal.