

# JR-SCIENTISTS

## WATER CYCLE IN A BAG

This simple science discovery in a bag is a quick and easy way to learn about the water cycle!

### INSTRUCTIONS

**STEP 1:** Print a color the water cycle template.

**STEP 2:** Cut the water cycle out and tape behind a zip top plastic bag.

**STEP 3:** Mix 1/4 cup of water with 2 drops of blue food coloring and pour into bag and seal.

**STEP 3:** Tape the bag to a sunny window and wait.

**STEP 4:** Check your bag in the morning, mid day, and again at night and record what you see. Did you notice any changes?

### SUPPLIES:

Water cycle template  
Zip top bag  
Water  
Blue food Coloring  
Markers  
Tape

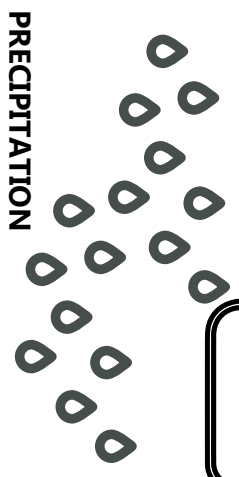
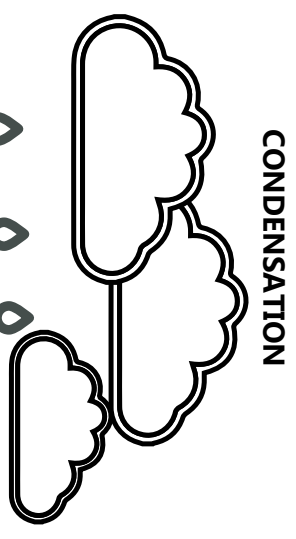
### THE SCIENCE

The water cycle works when the sun heats up the water and it leaves the ground. Think about water from lakes, streams, oceans, rivers, etc. The liquid water goes up into the air in the form of steam or vapor (water vapor).

When this vapor hits cooler air it changes back to its liquid form and creates clouds. This part of the water cycle is called condensation. When so much of the water vapor has condensed and the clouds are heavy, the liquid falls back down in the form of precipitation. Then the water cycle starts over. It is continually in motion!

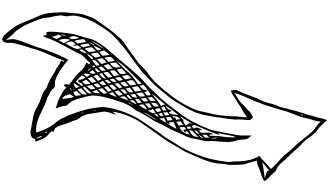
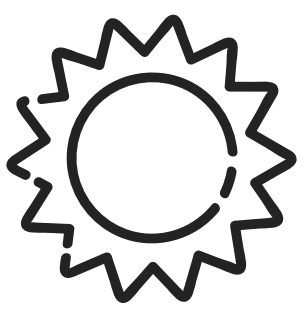
# WATER CYCLE IN A BAG

CONDENSATION

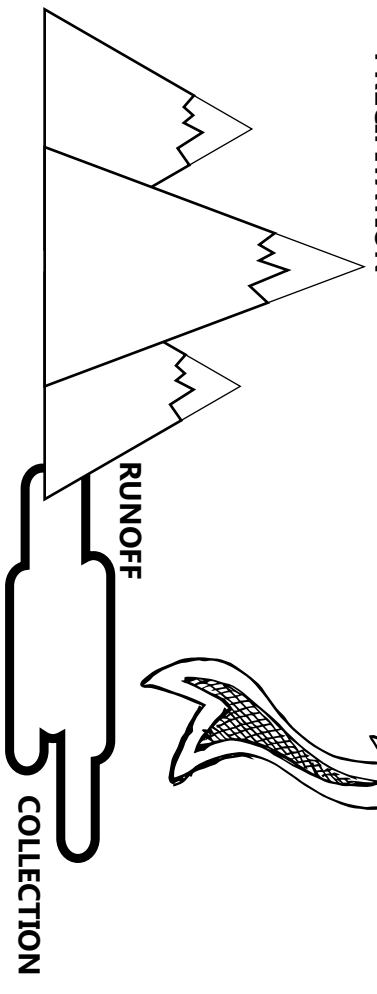


PRECIPITATION

EVAPORATION



RUNOFF

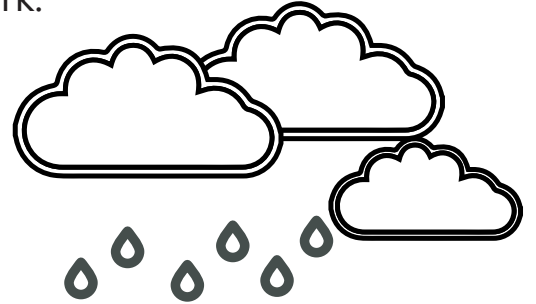


COLLECTION



# Water Cycle Observations

Use this worksheet to process and evaluate your work.



What heats the water in our environment?

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What are clouds made of?

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Give an example of precipitation.

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How long did it take for the water to collect in the bag?

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What did you learn?

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