



## Water Cycle in a Bag

### Subject: Water on Earth and Conservation

Make your very own water cycle to watch at home. The water cycle is the path that all water follows as it moves around our earth in different ways - from water to vapor to gas. Did you know that dinosaurs drank the same water we drink today?

### Materials List

1. Plastic sealable bag
2. Permanent marker(s)
3. Water (about ¼ cup)
4. Clear tape
5. Blue food coloring (optional)

**Grade:** Kindergarten

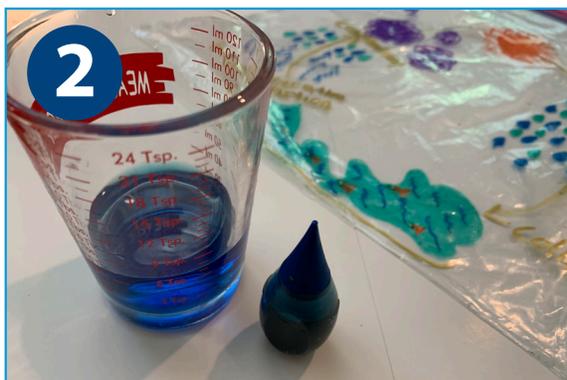
**Time:** 1+ hour

**Vocabulary:** water, bag, cycle, drop

**NGSS:** K-ESS3-3. Communicate solutions that will reduce the impact of humans on the land, water, air and/or other living things in the local environment.

### Instructions

1. Decorate your bag! Be sure to include clouds and the sun. Then add any other elements you'd like to watch "cycle."



2. If you'd like to see the cycle more clearly, add a couple drops of blue food coloring to a small amount of water and swirl gently.

*See other side*

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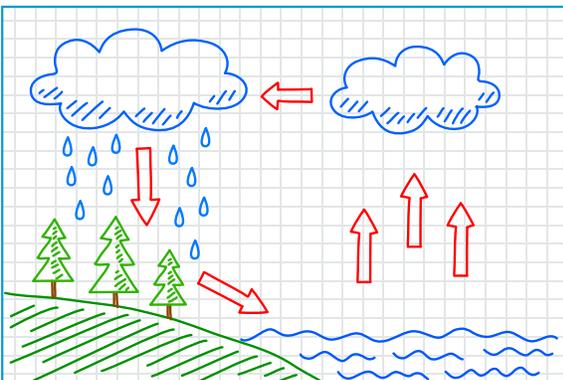
## Instructions *continued*



3. Just add water. Carefully pour the water in the sealable bag and seal the bag shut. Make sure it's nice and tight. You don't want any water to escape!



4. It's time to hang it up on a window! Pick a window that gets a lot of sunshine for best results. Cut two long pieces of tape and stick them to the corners of your bag. Then, press the tape tightly to the window.



5. Wait a couple of hours and check on your experiment. Eventually, you will begin to see droplets of water sticking to the side of the bag. Some drops will be up high (in the clouds) while other drops will be on their way down (like rain).

### Table Talk

1. How long do you think it takes for a water droplet to cycle?
2. How can you save water at home?

