



WATER CYCLE IN A BAG

Materials Needed:

- Zip Lock Bag
- Blue Food Coloring
- Permanent Marker
- Measuring Cup
- Masking tape

Activity Instructions:

- Draw a sun cloud and water on one side of the zip lock back with the permanent marker
- Fill a small measuring cup with $\frac{1}{4}$ cup water
- Put 4 drops of blue food coloring in the water
- Pour the water in the zip lock bag
- Securely close the zip lock bag
- Use masking tape to hang the bag on a window
- Sit back and watch the science behind the different water cycle stages

The Science Behind It

- Since the Earth has a limited amount of water, it has to change around and around in something called the water cycle.
- Over the next few days, the boys saw the water warm in the sunlight and **evaporate** into vapor.
- As that vapor cooled, it began changing back into liquid **{condensed}** just like a cloud.
- And when enough water condensed, the air couldn't hold it anymore and the water fell down in the form of **precipitation**.
- In the real water cycle, rain, sleet or snow might land in a body of water like a river or ocean. But it also might fall on dirt where it soaks into the soil and either becomes ground water that animals and plants drink or it runs over the soil and falls into rivers, oceans or lakes {aka **collection**}.