

Water Cycle in a Bag

Instructions



Fill a zip top bag about a quarter full with water (optional: food color), and seal with some air still inside.

Tape to a sunny window and allow to sit for at least 30 minutes. Notice how condensation forms on the bag and drips back into the water.



Optionally, repeat the steps above to create a second bag, taping to the outside of the window instead. Notice how the speed of condensation changes.

Materials

- A Zip-top bag
 - Water
 - Tape
 - Sunny Window
- Optional**
- 2 sets of above
 - Food coloring

Background

The water cycle is very important to us everyday- without it, we'd have no rain, clouds, or rivers. Water starts this cycle on the ground, as a liquid, like we drink. Then, the sun heats it up, and it evaporates, making tiny drops of water you can't see. Eventually, the air gets so full of water, the tiny drops form larger ones, and fall to each as rain.