

How To...

Day 16: Create a mini water cycle

You can make it rain indoors! In this experiment, you'll explore earth science and the water cycle. With a sealable clear bag, a little bit of 'blue' water, and some help from the sun, you can create a model of the water cycle.



Instructions

1. Smooth your sealable clear bag out on a flat surface. Use a permanent marker to draw the water cycle on the bag.
2. Pour $\frac{1}{3}$ cup of water into the bag (avoid filling the bag more than halfway). Put one or two drops of blue food colouring into the water.
3. Find a sunny window and tape the bag up. Tape the bag at a slight angle to simulate the runoff and collection stages of the cycle.
4. Check in on the water cycle bag at different times throughout the next few days. Do you see water droplets form along the bag from the condensation? Eventually, you'll see streaks along the side of the bag as the droplets grow and drop down the side, representing precipitation. From there, the water will recollect and pool at the bottom.
5. How does this mimic the water cycle we see on Earth?

<https://ziploc.com/en/Inspiration/Stem-Activities/Ages-9-12/Water-Cycle-Bags>