

EXPERIMENT 1

BUILD THE RAINBOW

Let's learn how water moves through the water cycle (evaporation → clouds → rain → runoff)



1 - BUILD THE RAINBOW



SUPPLIES NEEDED

- Craft Mat
- Scissors
- Crayons
- Glue Stick
- Rainbow Popsicle Sticks
- Cotton Pads
- I Cardstock



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STEPS

1. Place your cardstock on the craft mat.
2. Draw a big sun, cloud, and ocean using crayons.
3. Glue cotton pads at the top to make clouds- for this, it may be easier to put the glue on the cardstock and then stick your clouds on.
4. Use rainbow popsicle sticks to create a curved rainbow from the clouds to the land.
5. Label your diagram:
 - a. Evaporation (water going up)
 - b. Condensation (clouds forming)
 - c. Precipitation (rain falling)
 - d. Runoff (water moving to ocean)
6. Add arrows showing how water moves.
7. Put your name on it!

You might notice that the colors in a rainbow always appear to have an order (red, orange, yellow, green, blue, indigo, violet) because sunlight is made of all of these colors mixed together. When sunlight passes through raindrops, the water bends and splits the colors at different angles based on their wavelength, red bends the least (outside color) and violet bends the most (inside color).

This is the start of the story: water carries everything from land to the ocean.

“Where could pollution enter this system?”

