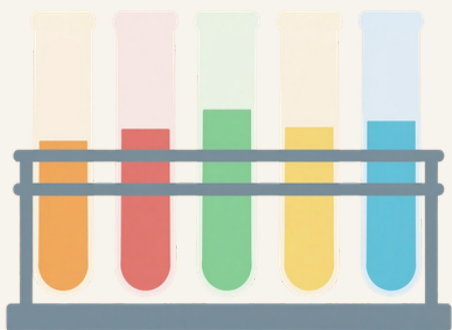




# Chromatography

## Lab Instructions

### Needed Materials:

- Coffee filter paper, cut into 4 strips of about 1 x 5 inches
- Colored candies (like M & Ms or Skittles)
- 4 toothpicks
- Small paper plate
- Water
- A pipette or dropper
- Tape
- A stick and two glasses to create a hanging apparatus (see picture below)
- Shallow pan

Make your **hypothesis**. What do you think you will see when you've broken down the colors in each candy?

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# Time to Conduct the Experiment!

## Experiment:

1. Choose 4 different colors of your candy. Place them on your paper plate with space in between.
2. Use your pipette to place 1 drop of water under each candy. This will allow your candy's dye to "bleed" a bit and create a colored drop.
3. Use a toothpick to pick up the liquid dye under one candy. Add the dye to one strip of filter as shown.
4. Do the same with the other 3.
5. Attach the papers to your stick and tape the top edges over. Each dot of dye should be about the same level on the papers. Suspend the stick over your shallow pan. Add water to the pan so just the edges of the papers are wet.
6. Watch the water travel up the coffee filter.
7. Sketch your results.

## Data and Analysis

Sketch & record your observations

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## Conclusion

Was your hypothesis correct? Did anything surprise you?

