



# CHROMATOGRAPHY CHALLENGE ACTIVITY: INSTRUCTIONS

## Part 1: Preparation of Chromatography

1. Obtain 2 Pieces of Chromatography Paper
2. Using PENCIL Draw a line 1 cm from the bottom of the paper
3. Place a small dot of each color 8 Crayola Colors on the 1 cm line. Space them evenly
4. Place the paper on a hanger (wood splint) so that the paper will just touch the bottom of a 250 ml beaker. Hold it with a small piece of tape.
5. Put 25 ml of chromatography solution in the beaker.
6. Hang the paper so that it is in the solution, but the ink dots are not touching the solution.
7. WAIT 10 MINUTES. REMOVE IT AND PUT IT ON A PIECE OF PAPER TOWEL
8. Show the CHROMATOGRAPH to the Judge (Mr. Gonyo or Mr. Hansen)
9. USE THE CHROMATOGRAPH TO IDENTIFY THE UNKNOWN INK.