

# Introduction to Paper Chromatography

## Experiment I. Separation of Pigments in Inks

### Post-Lab Questions

1. Draw representations of each of the strips including the pigment colors and locations, as well as the starting spot and final solvent front locations.
2. Which inks appear to be made up of more than one pigment? Which inks appear to be a single pigment?
3. Do any of the inks appear to use common pigments? Which inks and which pigments do they have in common?
4. Knowing that water is a very polar solvent, what can you infer about the relative polarities of the various pigments in each ink?
5. If you have an ultraviolet (UV or “black”) light, shine it on each of the strips in a darkened room. What do you see? Can you make any additional inferences about the pigments in the various inks?

