Simple Chromatography

Aim: To separate the different coloured dyes in food dye.

Materials:

* 6 Test Tubes
* 6 Pieces of chromatography paper
* Toothpicks
* Food dye

Method:

1. Write the dye colour at the top of a piece of chromatography paper in pencil.
2. Using a toothpick, put a **small** spot of dye **2cm** from the bottom of the paper.
3. Put the chromatography paper in a test tube filled with 1cm of water.
4. Repeat with different colours of dye, putting each in a separate test tube.

Questions:

1. Draw each of your chromatograms.

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1. In your own words, describe how chromatography works.
2. Which colour of dye is the most soluble? Explain your choice.
3. Which colour of dyes is the least soluble? Explain your choice.