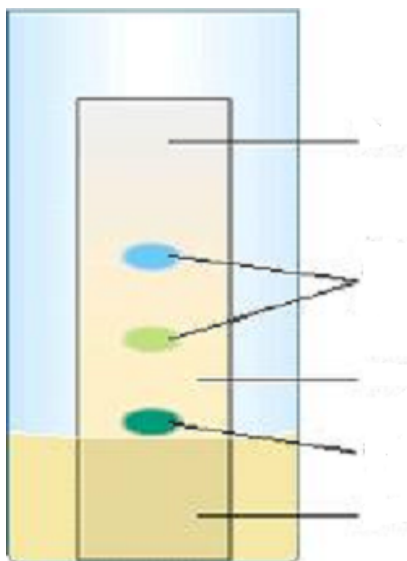


Label the diagram below using the following words:
CHROMATOGRAPHY PAPER, SOLUTE SPOTS, SOLVENT, SPOT OF MIXTURE TO BE SEPARATED, SOLVENT MOVES UP PAPER.



Describe what you saw happen to the ink when you placed the chromatography paper in the solvent.

Was the ink a mixture or a pure substance? How do you know?

Explain how the ink was separated? key words: solute, solvent, dissolve, attraction, particle, soluble

Thinking...

1. What would happen if we used permanent ink instead of water-soluble ink?
2. Could we use chromatography to separate a mixture of salty water?
3. What would happen if we repeated the experiment using warm water?