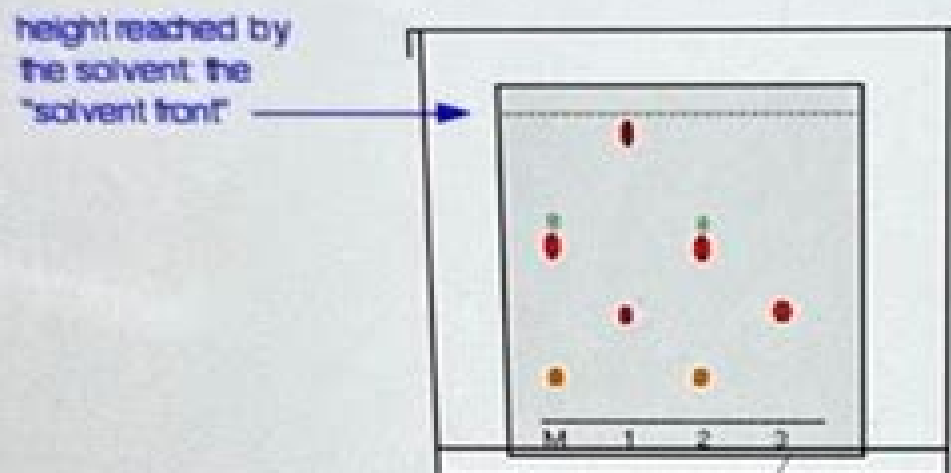


## Sample Quiz: Paper chromatography

1. The diagram below shows a paper chromatography experiment:



- State three precautions that should be taken when performing such experiments.
  - How many ions are present in sample M?
  - From the set-up above, write a comment about sample 1
  - Using sample 3 as an example, identify  $d(s)$  and  $d(m)$ .
- Write down the formula for retention factor ( $R_f$ ) of an ion in a paper chromatography experiment.
  - State two observations made in the above-mentioned experiment.

# Guide Questions For Paper Chromatography Experiment

**Mr. Rohit Manglik**



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Thompson, 2012-08-14 Learn how to analyze soil hair and fibers match glass and plastic specimens develop latent fingerprints and reveal blood traces conduct drug and toxicology tests analyze gunshot and explosives residues detect forgeries and fakes analyze toolmark impressions and camera images match pollen and diatom samples extract isolate and visualize DNA samples P 4 of cover *Illustrated Guide to Home Biology Experiments* Robert Bruce Thompson, Barbara Fritchman Thompson, 2012-04-17 Experience the magic of biology in your own home lab This hands on introduction includes more than 30 educational and fun experiments that help you explore this fascinating field on your own Perfect for middle and high school students and DIY enthusiasts this full color guide teaches you the basics of biology lab work and shows you how to set up a safe lab at home The *Illustrated Guide to Home Biology Experiments* is also written with the needs of homeschoolers firmly in mind as well as adults who are eager to explore the science of nature as a life long hobby To get the most from the experiments we recommend using this guide in conjunction with a standard biology text such as the freely downloadable CK 12 Biology ck 12 org Master the use of the microscope including sectioning and staining Build and observe microcosms soda bottle worlds of pond life Investigate the chemistry of life from simple acids bases and buffers to complex carbohydrates proteins lipids enzymes and DNA Extract isolate and observe DNA Explore photosynthesis osmosis nitrogen fixation and other life processes Investigate the cell cycle mitosis and cytokinesis Observe populations and ecosystems and perform air and water pollution tests Investigate genetics and inheritance Do hands on microbiology from simple culturing to micro evolution of bacteria by forced selection Gain hands on lab experience to prepare for the AP Biology exam Through their company The Home Scientist LLC thehomescientist com biology the authors also offer inexpensive custom kits that provide specialized equipment and supplies you ll need to complete the experiments Add a microscope and some common household items and you re good to go **Illustrated Guide to Home Chemistry Experiments** Robert Bruce

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