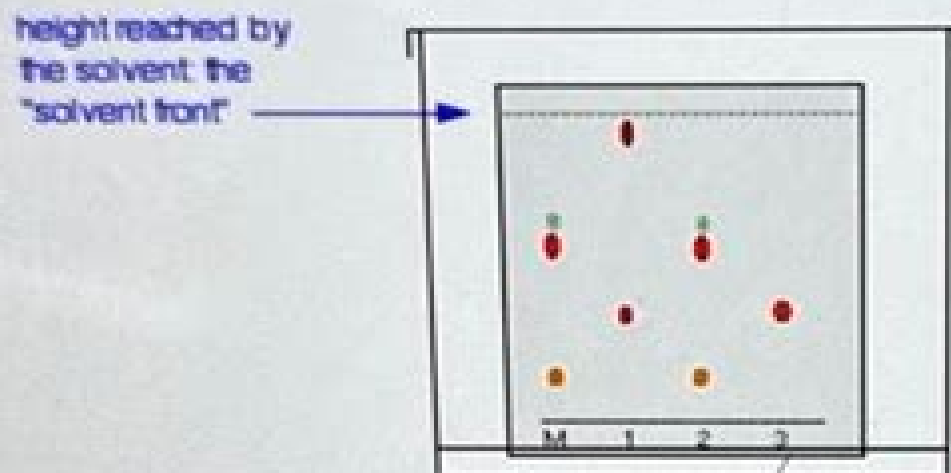


Sample Quiz: Paper chromatography

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 $d(m)$.
2. Write down the formula for retention factor (R_f) of an ion in a paper chromatography experiment.
3. State two observations made in the above-mentioned experiment.

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Thompson, 2012-02-17 For students DIY hobbyists and science buffs who can no longer get real chemistry sets this one of a kind guide explains how to set up and use a home chemistry lab with step by step instructions for conducting experiments in basic chemistry not just to make pretty colors and stinky smells but to learn how to do real lab work Purify alcohol by distillation Produce hydrogen and oxygen gas by electrolysis Smelt metallic copper from copper ore you make yourself Analyze the makeup of seawater bone and other common substances Synthesize oil of wintergreen from aspirin and rayon fiber from paper Perform forensics tests for fingerprints blood drugs and poisons and much more From the 1930s through the 1970s chemistry sets were among the most popular Christmas gifts selling in the millions But two decades ago real chemistry sets began to disappear as manufacturers and retailers became concerned about liability em The *Illustrated Guide to Home Chemistry Experiments* steps up to the plate with lessons on how to equip your home chemistry lab master

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