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| **What will we be learning?**C8 – Chemical Analysis | **Why this? Why now?** Chemistry – Atomic Structure, Chemical ChangesBiology – Organisation, BioenergeticsPhysics - Separate Chemistry | **Key Words:**Pure MixtureFormulationSolubleInsolubleChromatographyRf ValueLit SplintGlowing SplintLimewaterLitmus PaperCationAnionPrecipitateFlame Emission Spectroscopy |
| **What will we learn?**Rf = $\frac{Distance moved by 'spot'}{Distance moved by solvent}$Common Misconceptions:A pure substance is not the same in the “real world” as it is in Chemistry |
| **What opportunities are there for wider study?**Collins Revision guide relevant pages for this unit: P84-86, P104, P110-111Fine fragrance Analytical Chemist Household Goods ScientistNMR Technician Nanotoxicologist Olympic Blood and Drug AnalystWater Analysis Chemist Atmopsheric Chemist Forensic Investigator |
| **How will I be assessed?**Deep Marking Task Title for this unit: Required Practical Testing for IonsRequired Practical(s) for this unit: Chromatography and Testing for Ions |