|  |  |  |
| --- | --- | --- |
| **What will we be learning?****C8 – Chemical Analysis** | **Why this? Why now?****GCSE Course:**Trilogy Chemistry**What other GCSE Science units does this unit relate to?**Chemistry – Atomic Structure, Chemical ChangesBiology – Organisation, BioenergeticsPhysics - | **Key Words:**Pure MixtureFormulationSolubleInsolubleChromatographyRf ValueLit SplintGlowing SplintLimewaterLitmus Paper |
| **What will we learn?****Useful equations/formulae/maths skills for this unit:**Rf = $\frac{Distance moved by 'spot'}{Distance moved by solvent}$**Misconceptions in this topic**A pure substance is not the same in the “real world” as it is in Chemistry |
| **What opportunities are there for wider study?****If you are interested in this unit, what careers does it relate to?**Fine fragrance evaluator, Analytical Chemist, Household Goods Scientist, NMR Technician, Nanotoxicologist, Olympic Blood and Drug Analyst, Water Analysis Chemist, Atmopsheric Chemist, Forensic Investigator**Collins Revision guide relevant pages for this unit:** Foundation - P136, 151, 169Higher – P140, 155, 175 |
| **How will I be assessed?****Deep Marking Task Title for this unit:** Required Practical Chromatography |