

Studyclix Topic Analysis - Leaving Cert Chemistry Experiments

Exam Question	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	FREQUENCY
Flame Test										Q 3					0.5
Test for Any Anions										Q 3					0.5
To Measure the Relative Molar Mass of a Volatile Liquid							Q 3								1
To Prepare a Standard Solution of Sodium Carbonate							Q 1								1
Neutralisation of NaOH & HCL to make NaCl (Heat of Reaction / Neutralisation)	Q 3					Q 3						Q 3			3
To Determine the Concentration of Ethanoic Acid in Vinegar			Q 1								Q 1				2
To Determine the Amount of Water of Crystallisation in Hydrated Sodium Carbonate					Q 1								Q 1		2
To Standardise Ammonium Iron (II) Sulfate by Titration against Potassium Permanganate		Q 1													1
To Determine the Amount of Iron in an Iron Tablet										Q 1					1
To Prepare a Solution of Sodium Thiosulfate and to Standardise it by Titration against a Solution of Iodine				Q 1								Q 1			2
To Determine the Percentage of Sodium Hypochlorite in Commercial Bleach								Q 1							1
To Determine the Rate of Production of Oxygen from Hydrogen Peroxide			Q 3								Q 3			Q 3	3
To Study the Effect of Concentration and Temperature on the Rate of Reaction between Sodium Thiosulfate and Hydrochloric Acid		Q 3			Q 3				Q 3						3
To Determine the Total Hardness in a Water Sample Using EDTA	Q 1								Q 1						2
To Determine the Total Suspended Solids (in p.p.m.) in a Water Sample via Filtration				Q 3											0.5
To Determine the Total Dissolved Solids (in p.p.m.) in a Water Sample via Evaporation				Q 3											0.5
The Winkler Method: To Determine the Amount of Dissolved Oxygen in a Water Sample						Q 1								Q 1	2
To Measure the Amount of Free Chlorine in Swimming Pool Water Using a Comparator / Colorimeter				Q 3									Q 3		1.5
To Prepare Ethene & Examine its Properties							Q 2			Q 2					1.5
To Prepare Ethyne & Examine its Properties		Q 2								Q 2					1.5
To Extract Eugenol (Clove Oil) from Cloves via Steam Distillation	Q 2					Q 2		Q 2			Q 2				3
To Prepare a Sample of Soap	Q 2				Q 2			Q 2	Q 2				Q 2		4
To Study the Reactions of Ethanol with (i) Acidified Potassium Permanganate Solution, (ii) Fehling's Reagent and (iii) Ammoniacal Silver Nitrate															0
To Study the Reactions of Ethanoic Acid with (i) Sodium Carbonate, (ii) Magnesium and (iii) Ethanol															0
To Recrystallize a Sample of Benzoic Acid	Q 2		Q 2	Q 2		Q 2		Q 3							3.5
To Separate the Components of Ink Using Paper Chromatography											Q 2				0.5

Keep in mind:

- Q 1 is always on titrations and volumetric analysis, Q 2 is always on organic experiments, and Q 3 will usually be an experiment that is not part of these topics.
- Some questions haven't been included in this chart because the experiment asked is no longer on the course.

Our Predictions:

- Q 1 will likely be on 'Determining the Percentage of Sodium Hypochlorite in Commercial Bleach'
- Questions of low frequency may appear for the first time since being introduced on the course, e.g. 'Studying the Reactions of Ethanoic Acid with (i) Sodium Carbonate, (ii) Magnesium and (iii) Ethanol', as a part of a question.
- Q 2 will likely be on the preparation of ethene, or studying the reactions of ethanol or ethanoic acid with other substances.
- Q 3 may be on 'Measuring the Relative Molar Mass of a Volatile Liquid' or on 'Measuring the amount of free chlorine, or dissolved / suspended solids in a water sample'

KEY:

Long Question = 1

Short Question = 0.5