

## Studyclix Topic Analysis - Leaving Cert Chemistry Experiments

Exam Question	2020	2019	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							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								Q 1		3
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					Q 3					4
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							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			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		Q 2															0
To Recrystallize a Sample of Benzoic Acid	Q 2		Q 2		Q 2	Q 2		Q 2			Q 3						4.5
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.

## KEY :

Long Question = 1

Short Question = 0.5