

A Level Revision Log - YEAR 1

Specification Link

<https://www.aqa.org.uk/subjects/chemistry/a-level/chemistry-7405/specification/specification-at-a-glance>

▶ Bits and Bobs - Please Watch!!






▶ How to succeed in A-Levels



Remember any content can appear on Paper 3!











In addition you can always use physics and maths tutor for more notes / questions:

<https://www.physicsandmathstutor.com/chemistry-revision/a-level-aqa/>












Paper	Topic	Specification Point	Videos	Save My Exams Notes	Exampro Revision Questions
1	Atomic Structure	3.1.1	<ul style="list-style-type: none">▶ AQA A-Level Chemistry - Atomic Str...▶ AQA A-Level Chemistry - Ionisation ...▶ AQA A-Level Chemistry - TOF Mass...	<ul style="list-style-type: none">PDF Atomic Structure.pdf	<ul style="list-style-type: none">https://OYLEUEK.exampro.net Fundamental Particleshttps://MAVUZUF.exampro.net Mass Number and Isotopeshttps://TOLETII.exampro.net Electron Configuration
1 / 2	Amount of Substance	3.1.2	<ul style="list-style-type: none">▶ AQA A-Level Chemistry - Amount of ...▶ AQA A-Level Chemistry - Amount of ...	<ul style="list-style-type: none">PDF Formulae, Equatio...PDF The mole, avogad...	<ul style="list-style-type: none">https://WOYOQEO.exampro.net RAM and RMM






					https://KAJIIOF.exampro.net The Mole and Avagadro Constant https://HUJONIO.exampro.net Ideal Gas Equation https://HOBAPYX.exampro.net Empirical and Molecular Formula https://DEKESUP.exampro.net Balancing Equations
1 / 2	Bonding	3.1.3	<ul style="list-style-type: none">  AQA A-Level Chemistry - Bonding  AQA A-Level Chemistry - Shapes of ...  AQA A-Level Chemistry - Intermolec... 	<ul style="list-style-type: none">  Bonding and Prop...  Molecules. Shape... 	https://SEXOCAF.exampro.net Ionic Bonding https://OEREGEZ.exampro.net Covalent and Dative Bonding https://NADEGAW.exampro.net Metallic Bonding https://YYCIXER.exampro.net Bonding and Physical Properties

					https://GEVUNOJ.exampro.net Shapes of Simple Molecules and Ions https://GAMELIT.exampro.net Bond Polarity https://EIMITIC.exampro.net Forces Between Molecules
1 / 2	Energetics	3.1.4	▶ AQA A-Level Chemistry - Energetics... ▶ AQA A-Level Chemistry - Energetics... ▶ AQA A-Level Chemistry - Energetics...	 Energetics.pdf	https://LIUEHEV.exampro.net Enthalpy Change https://IUYEPUW.exampro.net Calorimetry https://FAQOOOH.exampro.net Hess's law https://BIPOTUG.exampro.net Bond Enthalpies
2	Kinetics	3.1.5	▶ AQA A-Level Chemistry - Kinetics	 Kinetics.pdf	https://HUREFIU.exampro.net Collision Theory https://YEMINOR.exampro.net Maxwell-Boltzmann Distribution https://QUXYGOT.exampro.net Effect of Temp on Rate

					https://BEPICUO.exampro.net Effect of Conc and Pressure https://PAKICED.exampro.net Effect of Catalysts
1 / 2	Equilibria	3.1.6	 AQA A-Level Chemistry - Equilibria	 Equilibria.pdf	https://WIIUBOS.exampro.net Chemical Equilibria and Le Chateliers Principle https://RUDOCEV.exampro.net Kc Homogeneous
1	Redox	3.1.7	 AQA A-Level Chemistry - Redox	 Redox.pdf	https://IYTIZAQ.exampro.net Redox Reactions
1	Periodicity	3.2.1	 AQA A-Level Chemistry - Periodicity	 Periodicity.pdf	https://SEWUXED.exampro.net Classification https://NYNYLIE.exampro.net Physical Properties of Period 3
1	Group 2	3.2.2	 AQA A-Level Chemistry - The Alkali...	 Group 2.pdf	https://VOGEGOT.exampro.net Group 2
1	Group 7	3.2.3	 AQA A-Level Chemistry - The Halog...	 Group 7.pdf	https://DULIROT.exampro.net Gp 7 Trends in Physical Properties https://SETIVIB.exampro.net Uses of Chlorine and Chlorate

					https://TIZOJIH.exampro.net Properties of Period 3 and their Oxides
2	Intro to Organic	3.3.1	▶ AQA A-Level Chemistry - Nomenclat...	PDF Intro to Organic C...	https://GAPUGES.exampro.net Nomenclature https://OUKERER.exampro.net Reaction Mechanisms https://KYKIGOH.exampro.net Isomerism 1 https://YOZEUIZ.exampro.net Isomerism 2
2	Alkanes	3.3.2	▶ AQA A-Level Chemistry - Fractional ... ▶ AQA A-Level Chemistry - Fuels	PDF Alkanes.pdf	https://XOJOHYQ.exampro.net Fractional Distillation https://RUTUYYG.exampro.net Modification by Cracking https://OOCACUW.exampro.net Combustion of Alkanes https://BIYIFOT.exampro.net Chlorination of Alkanes

2	Halogenoalkanes	3.3.3	<ul style="list-style-type: none">  AQA A-Level Chemistry - Halogenoa...  AQA A-Level Chemistry - Nucleophil...  AQA A-Level Chemistry - Elimination 	 Halogenoalkanes....	https://NUVUOUJ.exampro.net Nucleophilic Substitution https://FYXYUUV.exampro.net Elimination https://VIVOTIH.exampro.net Oz one Depletion
2	Alkenes	3.3.4	<ul style="list-style-type: none">  AQA A-Level Chemistry - Alkenes (i...  AQA A-Level Chemistry - Electrophil... 	 Alkenes.pdf	https://DEFISEY.exampro.net Structure Bonding and reactivity https://HAXOQUP.exampro.net Addition Reactions 1 https://UUZEOET.exampro.net Addition Reactions 2 https://WIUEIAU.exampro.net Addition Polymers
2	Alcohols	3.3.5	<ul style="list-style-type: none">  AQA A-Level Chemistry - Alcohols (long video)  AQA A-Level Chemistry - Making Et...  AQA A-Level Chemistry - Oxidation ... 	 Alcohols.pdf	https://MAUEEYM.exampro.net Alcohol Production https://QUJEIC.exampro.net Oxidation 1

					https://BUBOIUB.exampro.net Oxidation 2 https://YIXISOP.exampro.net Elimination
2	Analysis	3.3.6	 AQA A-Level Chemistry - Organic A...	 Organic Analysis.pdf	https://HABEQYT.exampro.net Identifying Functional Groups https://ZEUATUU.exampro.net Mass Spectroscopy https://AIZELEA.exampro.net Infrared Spectroscopy 1 https://EEFOZAN.exampro.net Infrared Spectroscopy 2
1	Mechanisms			 Reaction Mechani...	
1/2	Practicals			 Organic and Inorg...  Physical Chem Pr...	

Required Practical Videos

Required Practical	Content	Video links
1	Make up a volumetric solution and carry out a simple acid–base titration	Standard solution https://youtu.be/xBKyjXUhJy0 Titration https://youtu.be/rLc148UCT2w https://youtu.be/RI14t0R1wMY Calculations https://youtu.be/c3Ehqt-uW0U
2	Measurement of an enthalpy change	https://youtu.be/ND6uKJwqeGw https://youtu.be/GgfrIX-TmQk
3	Investigation of how the rate of a reaction changes with temperature	https://youtu.be/gV3DhmNX6rw

4	Carry out simple test-tube reactions to identify: <ul style="list-style-type: none"> • cations – Group 2, NH₄⁺ • anions – Group 7 (halide ions), OH⁻, CO₃²⁻, SO₄²⁻ 	https://drive.google.com/file/d/1OPy-vkEgXJJm43EZFMDMUBvHNaNI-4q/view?usp=share_link https://youtu.be/8ld85NZP2zo Ammonium https://youtu.be/hqSJlCyMtAE Halides https://youtu.be/KY8g0mt0W0o Anions https://youtu.be/21Cvt3J61tk
5	Distillation of a product from a reaction	https://drive.google.com/file/d/1wj1XlvdKP9Dr0BuPZ2XKK5rSDDG3dQCR/view?usp=share_link https://youtu.be/R64pHuh_49o https://youtu.be/_SzYqPdUkFQ https://youtu.be/aUEpAEaSsBU https://youtu.be/r8g1ysWemp4
6	Tests for alcohol, aldehyde, alkene and carboxylic acid	https://youtu.be/dPXgUFDqSik
Additional	Concentrated sulphuric acid with halides	https://drive.google.com/file/d/1PX1zNXO6iTCOA_gww6l1jgaULoM4P9Fdx/view?usp=share_link
	Rate of nucleophilic subs of halogenoalkanes	https://youtu.be/-2lmLFJbmFE

		https://youtu.be/gVCoVlaSQwc
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