Chemistry revision for Paper 1 (Topics C1 – C5)

Actions to take:

1. Watch the overview videos, make key notes. Use your revision guide to help.
2. Watch the individual topic videos for areas that you found hard. Make flashcards/ add to notes.
3. Try the questions for each topic, marking carefully.
4. Complete the 2018 paper from the start of the sheet.

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| Further details and links: | Exam questions  |
| Overview of topics:Video covering the whole of paper 1 Chemistry: <https://www.youtube.com/watch?v=MpQ-3YAwNhI> Whole of C1: Atomic Structure and the Periodic Table: <https://www.youtube.com/watch?v=bgyuXU97jaI> Whole of C2: Structure and bonding:<https://www.youtube.com/watch?v=YpEQ-NWxKBc> Whole of C3: Quantitative Chemistry: <https://www.youtube.com/watch?v=eAibVvhmsK0> Whole of C4: Chemical Changes: <https://www.youtube.com/watch?v=KTmXEIiU_Go> Whole of C5: Energy in Chemistry:<https://www.youtube.com/watch?v=L7829UGifpM>  | Paper 1 2018 Paper ( This tests topics C1 to C5) Triple: <https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-84621H-QP-JUN18.PDF>Triple mark scheme:<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-84621H-W-MS-JUN18.PDF> Higher Combined Science: <https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-8464C1H-QP-JUN18.PDF> Higher combined mark scheme:<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-8464C1H-W-MS-JUN18.PDF> Foundation Combined Science:<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-8464C1F-QP-JUN18.PDF> Foundation Combined mark scheme:<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-8464C1F-W-MS-JUN18.PDF>  |
| C1 Atomic Structure & the Periodic TableAtoms & Ions - <https://www.youtube.com/watch?v=fN8kH9Vvqo0> Elements, Isotopes & Relative Atomic Mass - <https://www.youtube.com/watch?v=iyCLDHG1PCA> Differences Between Compounds, Molecules & Mixtures - <https://youtu.be/jBDr0mHyc5M> Balancing Chemical Equations - <https://www.youtube.com/watch?v=qquOFYOpdl0> Paper Chromatography - <https://www.youtube.com/watch?v=TdJ57SQ6GAQ> Filtration, Evaporation & Crystallisation - <https://www.youtube.com/watch?v=vi_SJBnxmHo> Simple Distillation and Fractional Distillation - <https://www.youtube.com/watch?v=eQlnHr9g6Io> History of the Model of the Atom - <https://www.youtube.com/watch?v=sG6QoLxwIw4> Electron Arrangement - <https://www.youtube.com/watch?v=EBKwG25hRPE> Modern Periodic Table - <https://www.youtube.com/watch?v=IdS9roW7IzM> Metals and Non-Metals - <https://www.youtube.com/watch?v=Rc2JBp91V7o> Group 1 Alkali Metals - <https://www.youtube.com/watch?v=dZGDUKQa_6g> Halogens and Noble Gases - <https://www.youtube.com/watch?v=HT1zAPQIBAQ>  | C1 Triple Chemistry questions:[**https://LUEOZIY.exampro.net**](https://lueoziy.exampro.net/)QR codeC1 Combined Science (H) [**https://PUBUUIT.exampro.net**](https://pubuuit.exampro.net/)C1 Combined Science (F)[**https://MUYIIUW.exampro.net**](https://muyiiuw.exampro.net/) |
| C2 Structure and BondingFormation of Ions - <https://www.youtube.com/watch?v=PCZtnbxtXqE> What is Ionic Bonding? How Does Ionic Bonding Work? Ionic Bonds Explained - <https://www.youtube.com/watch?v=6DtrrWA5nkE> What is an Ionic Compound? Ionic Compounds Explained - <https://www.youtube.com/watch?v=kShlfIsvWbQ> Covalent Bonding - <https://www.youtube.com/watch?v=5I_1jRGSR9E> Properties of Simple Molecular Substances & Giant Covalent Structures - <https://www.youtube.com/watch?v=d2ogZgGmMDY> What is a Polymer? Polymers / Monomers / Their Properties Explained - <https://www.youtube.com/watch?v=EP0zfm_FVqc> Allotropes of Carbon - Diamond and Graphite - <https://www.youtube.com/watch?v=tGH0mXCcEFU> Metallic Bonding - <https://www.youtube.com/watch?v=b1y2Q6YX1bQ> States of Matter & Changing State - <https://www.youtube.com/watch?v=hkBrw2fG75U> State Symbols & Predicting States of Matter - <https://www.youtube.com/watch?v=h7ErVAZbeu0> Nanoparticles - <https://www.youtube.com/watch?v=70dOzvhn-8M>  | C2 Triple Chemistry questions:[**https://PYKOQUD.exampro.net**](https://pykoqud.exampro.net/)QR codeC2 Combined Science (H) [**https://CYHAGEW.exampro.net**](https://cyhagew.exampro.net/)QR codeC2 Combined Science (F):[**https://YOBUAYU.exampro.net**](https://yobuayu.exampro.net/) QR code |
| Quantitative ChemistryRelative Formula Mass - <https://www.youtube.com/watch?v=it_fMQu5ivg> The Mole - <https://www.youtube.com/watch?v=wPGVQu3UXpw> Conservation of Mass - <https://www.youtube.com/watch?v=M-De2IMayco> What is a Limiting Reactant? Limiting/Excess Reactants Explained - <https://www.youtube.com/watch?v=TKDOyR7WKQQ> **Triple Chem**: How to Find the Volume of a Gas - <https://www.youtube.com/watch?v=Qn5CgfokdWk> How to Calculate Concentration in grams per decimetre cubed - <https://www.youtube.com/watch?v=kJBbu7_vYC8> **Triple Chem**: Atom Economy - <https://www.youtube.com/watch?v=MQXzW9BryAg> **Triple Chem**: Percentage Yield - <https://www.youtube.com/watch?v=hnawBsyZTc8>  | QR codeC3 Triple Chemistry questions:[**https://MOAIDUY.exampro.net**](https://moaiduy.exampro.net/)QR codeC3 Combined Science (H) <https://viiemif.exampro.net/> QR codeC3 Combined Science (F)[**https://ZIIUCUV.exampro.net**](https://ziiucuv.exampro.net/) |
| Chemical ChangesAcids and Bases - <https://www.youtube.com/watch?v=vt8fB3MFzLk> The pH Scale & Strong vs Weak Acids - <https://www.youtube.com/watch?v=_gYBbzkqrmE> Neutralisation Reactions - <https://www.youtube.com/watch?v=lBjwMcHUyBY> Reactivity Series of Metals & Displacement Reactions - <https://www.youtube.com/watch?v=2i5Lm7BMtpo> Extraction of Metals & Reduction - <https://www.youtube.com/watch?v=gvNuMpxqG7Q> Oxidation and Reduction - Redox Reactions - <https://www.youtube.com/watch?v=jyvcVjrZnJA> Electrolysis Part 1 - Basics and Molten Compounds - <https://www.youtube.com/watch?v=ilNOpROacf0> Electrolysis P2 - Electrolysis to Extract Metals From Oxides – Explained - <https://www.youtube.com/watch?v=hOrGNtlN3sg> Electrolysis Part 3 - Aqueous Solutions - <https://www.youtube.com/watch?v=GrgYXk_NCec> **Triple Chem:** Fuels Cells-<https://www.youtube.com/watch?v=8xeB_O_fyzM>  | QR codeC4 Triple Chemistry questions:[**https://AIIIUOY.exampro.net**](https://aiiiuoy.exampro.net/)QR codeC4 Combined Science (H) [**https://KUKEEIL.exampro.net**](https://kukeeil.exampro.net/)QR codeC4 Combined Science (F)[**https://HEYISAU.exampro.net**](https://heyisau.exampro.net/) |
| Energy ChangesExothermic and Endothermic Reactions - <https://www.youtube.com/watch?v=dstRL5xB0Sk>Bond Energies - <https://www.youtube.com/watch?v=it0HGXhxD-s> **Triple Chem**: Fuel Cells - <https://www.youtube.com/watch?v=8xeB_O_fyzM>  | QR codeC5 Triple Chemistry questions:[**https://XOKUAOR.exampro.net**](https://xokuaor.exampro.net/)QR codeC5 Combined Science (H) [**https://DUHOLEC.exampro.net**](https://duholec.exampro.net/)QR codeC5 Combined Science (F)[**https://WIRYYEM.exampro.net**](https://wiryyem.exampro.net/) |
| Required practicals paper 1:1 Preparation of a pure, dry, salt<https://www.youtube.com/watch?v=qIOMlwBoe_4> 2 **Triple Chem** - Titrations <https://www.youtube.com/watch?v=vn3Rx3g1VPk> 3 Electrolysis<https://www.youtube.com/watch?v=tCHE_7QeRUc> 4 Temperature changes<https://www.youtube.com/watch?v=tKxcQYZ2YH8&list=PLAd0MSIZBSsEygAZyDRkK0PgQZ6uiC98F&index=5> | QR codeChemistry paper 1 RPAs (Combined) [**https://POWUGOS.exampro.net**](https://powugos.exampro.net/)QR codeChemistry paper 1 RPAs (Triple)[**https://ZECUGUJ.exampro.net**](https://zecuguj.exampro.net/) |