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 Table  Atoms & 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 code  C1 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 Bonding  Formation 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 code  C2 Combined Science (H)  [**https://CYHAGEW.exampro.net**](https://cyhagew.exampro.net/)  QR code  C2 Combined Science (F):  [**https://YOBUAYU.exampro.net**](https://yobuayu.exampro.net/)  QR code |
| Quantitative Chemistry  Relative 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 code  C3 Combined Science (H)  <https://viiemif.exampro.net/>  QR code  C3 Combined Science (F)  [**https://ZIIUCUV.exampro.net**](https://ziiucuv.exampro.net/) |
| Chemical Changes  Acids 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 code  C4 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 Changes  Exothermic 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 code  C5 Combined Science (H)  [**https://DUHOLEC.exampro.net**](https://duholec.exampro.net/)  QR code  C5 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 code  Chemistry paper 1 RPAs (Combined)  [**https://POWUGOS.exampro.net**](https://powugos.exampro.net/)  QR code  Chemistry paper 1 RPAs (Triple)  [**https://ZECUGUJ.exampro.net**](https://zecuguj.exampro.net/) |