Chemistry revision for End of Year9 Tests (Topics C1 – C2)

Year 9 Chemistry revision for End of Year Test

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| **GCSE Science-Chemistry: Specification topics with links****REVISION for Topics C1 & C2** |  |
| **C1**  | **C2**  | **C9**  |  |

This document provides some revision resources to help you review and practise your knowledge of
**C1 – Atomic Structure and PT, C2 – Structure and Bonding, C9 – Chemistry of the Atmosphere**

Actions to take:

**Step1**: Read your class notes and revision guide. Watch the videos; pause the video and make notes

**Step 2**: Make revision cards/notes using your class notes, revision guide and the videos.

**Step 3**: Attempt the exam questions and self-assess honestly and accurately i.e. wording matches mark scheme.

**Step 4**: Go back, look at and amend revision notes if needed

🖊 We recommend writing out the key terms and definitions (e.g. on index cards), as this promotes longer-term memories in comparison to reading alone.

🖊 Remember to use the mark schemes carefully to self-assess your work; when doing the exam questions, write down any details you have not included in your answers – these are the important parts for you to try and remember next time.

🟋 Please answer one exam question at a time, then self-assess it before answering the next question; this is far more useful than answering them all and leaving them un-marked.

Start with the ‘Combined Science (F)’ exam questions and work your way through the ‘Combined Science (H)’ then the ‘Triple Chemistry’ questions. They get more challenging as you move from one group of questions to the next.

There are additional FREE resources at Physicsandmathstutor.com. These include revision resources such as flash cards and mind maps (these are better if you make them yourself!), as well as additional exam questions. Please use them to help. If you are unsure about what to use, do not hesitate to ask your teachers.

There is a link to the Freesciencelessons playlist: ‘How to revise effectively and answer exam questions’, to use if you need some help.

* **FreeScienceLessons:** <https://www.freesciencelessons.co.uk/> Use these if you prefer, as most links are COGNITO
* **FreeScienceLessons** ‘How to revise effectively and answer exam questions’ playlist: <https://www.youtube.com/watch?v=X1Q3J3g6X2w&list=PL9IouNCPbCxVWR3RemrIfTDe0x86UdSRW>
* **Overview:** At the end are links to short basic summary videos for each of the units.

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| Date | Topic details and links: | Exam questions  |
| W/C 7th May | **C9**The Atmosphere - <https://www.youtube.com/watch?v=t1Z3GlNldLA&list=PLZHVn9k4NSA3rfI3ljxfKjpwieWHGSIhP>Fossil Fuels - <https://www.youtube.com/watch?v=14XIKuOZ2Yw&list=PLZHVn9k4NSA3rfI3ljxfKjpwieWHGSIhP&index=2>The Greenhouse Effect - <https://www.youtube.com/watch?v=K5vXnDGcOE4&list=PLZHVn9k4NSA3rfI3ljxfKjpwieWHGSIhP&index=3>Climate Change - <https://www.youtube.com/watch?v=MxS4pMc2O2Y&list=PLZHVn9k4NSA3rfI3ljxfKjpwieWHGSIhP&index=4>Carbon Footprint - <https://www.youtube.com/watch?v=ilfqxt90ED4&list=PLZHVn9k4NSA3rfI3ljxfKjpwieWHGSIhP&index=5>Pollutants from Fuel - <https://www.youtube.com/watch?v=yLp6LOgPHmI&list=PLZHVn9k4NSA3rfI3ljxfKjpwieWHGSIhP&index=6> | **C9 – Foundation PPQs**<https://netoien.exampro.net/> QR code**C9 – Higher PPQs**<https://xemilig.exampro.net/> QR code**C9 – Triple PPQs**<https://jobijiv.exampro.net/> QR code |
| W/C 14th May | **C1-Part 1**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>   | QR codeC1 Triple Chemistry questions: [**https://LUEOZIY.exampro.net**](https://lueoziy.exampro.net/)C1 Combined Science (H) [**https://PUBUUIT.exampro.net**](https://pubuuit.exampro.net/)C1 Combined Science (F)[**https://MUYIIUW.exampro.net**](https://muyiiuw.exampro.net/)Physics and Maths Tutor.com link to C1 revision resources and exam questions<https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/atomic-structure-and-periodic-table/> |
| W/C 21th May | **C1 – Part 2**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> |
| W/C 28th May | C2 Structure and Bonding – Part 1States of Matter & Changing State - <https://www.youtube.com/watch?v=hkBrw2fG75U> State Symbols & Predicting States of Matter - <https://www.youtube.com/watch?v=h7ErVAZbeu0> 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>  | QR codeC2 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/) Physics and Maths Tutor.com link to C2 revision resources and exam questions<https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/bonding-structure-properties-of-matter/> |
| W/C 4th June | C2 Structure and Bonding – Part 2Properties of Simple Molecular Substances & Giant Covalent Structures - <https://www.youtube.com/watch?v=d2ogZgGmMDY> Allotropes of Carbon - Diamond and Graphite - <https://www.youtube.com/watch?v=tGH0mXCcEFU> Metallic Bonding - <https://www.youtube.com/watch?v=b1y2Q6YX1bQ>What is a Polymer? Polymers / Monomers / Their Properties Explained - <https://www.youtube.com/watch?v=EP0zfm_FVqc> Nanoparticles - <https://www.youtube.com/watch?v=70dOzvhn-8M> |

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| **Unit** | **BBC Bitesize Link** | **BBC Bitesize Link QR Code** |
| C1 | <https://www.bbc.co.uk/bitesize/topics/zcckk2p> |  |
| C2 | <https://www.bbc.co.uk/bitesize/topics/z33rrwx> |  |
| C9 | <https://www.bbc.co.uk/bitesize/topics/zysvv9q> |  |

**Overview – Basic summaries of entire topics:**

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 C9: Chemistry of the Atmosphere

<https://www.youtube.com/watch?v=gxCRsqXZzeU>

 

Good Luck!