**YEAR 12 CHEMISTRY REVISION FOR MID A LEVEL MOCK EXAMS**

3.1 [Physical chemistry](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/physical-chemistry)

3.1.1 Atomic Structure

3.1.2 Amount of Substance

3.1.3 Bonding

3.1.4 Energetics

3.1.5 Kinetics

3.1.6 Chemical Equilibria

3.1.7 Oxidation, reduction and redox equations

3.2 [Inorganic chemistry](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/inorganic-chemistry)

3.2.1 Periodicity

3.2.2 Group 2

3.2.3 Group 7

Required practicals 1-4

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| 1. Make up a volumetric solution and carry out a simple acid–base titration |
| 2. Measurement of an enthalpy change |
| 3. Investigation of how the rate of a reaction changes with temperature |
| 4. Carry out simple test-tube reactions to identify:   * cations – Group 2, NH4+ * anions – Group 7 (halide ions), OH–, CO32–, SO42– |

**REVISION TECHNIQUES THAT MAY HELP YOU**

* Make revision plan and ensure you follow it
* Making a mind map of the topic – bullet points, colours, linking key ideas together to see where the course connects.
* Ensure you have read over and understood all practical work- you **will**be assessed on this in the exam
* Condensing information into bullet points.
* Making flash cards of the key points and testing yourself daily (and getting someone else to test you). An easy way is to use a pack of post it notes as your revision ‘cards’
* Turning notes into diagrams to display the key ideas.
* Making a revision poster (eye catching), sticking it onto your wall and reading and memorising every time you pass.
* Making up a rhyme or mnemonic to help you remember something in order E.G. for the order of the reactivity series.
* The classic: LOOK, COVER, WRITE, CHECK with key information, repeated until it is done correctly
* Work with a friend to explain key ideas to each other
* Avoid distractions and that includes your mobile phones
* Watch any of the Allery tutor/ MaChemGuy/ Eliot Rintoul videos on Youtube and make notes
* DO NOT just read through your revision guides this is ineffective
* Practise applying your understanding by answering exam questions
* After you have tried to answer some questions, you must mark them and check the areas you need to revise again.
* Identify the “command word” in the question – check your answer addresses this.
* Go back to your revision material, learn that part again, then redo the questions and mark them again. Check to see if you have improved.
* Check the **A level** **Chemistry Moodle** for ***revision resources*** and exam***questions*.**
* Exam questions can be used more than once over the course of the year. Review the exam questions that you have covered in lessons and ensure you can still answer them.
* Ensure you have covered all topics in the above checklist