

A Level Chemistry Summer Independent Learning Activity Y12 to Y13

Welcome to second year A Level Chemistry.

Please complete the following tasks and submit on Teams for **1pm on Wednesday 6th September**.

You should bring paper copies of the work, in a folder, with you to the first lesson.

All resources and booklets for these tasks can be found in the "Y12-Y13 Chemistry SIL" folder in Class Materials of Team A Level Chemistry Class of 2024 (<https://ncltad.sharepoint.com/:f:/r/sites/T-ALevelChemClassof2024/Class%20Materials/Y12-Y13%20Chemistry%20SIL?csf=1&web=1&e=LczNfk>)

Other useful resources include the textbook chapters which I have added to the folder and:

<https://www.chemguide.co.uk/physical/equilibria/kp.html#top>

<https://www.chemguide.co.uk/inorganic/period3menu.html#top>

PART 1: Year 13 Preparation work

Task 1 –3.1.10 Kp

1. Refamiliarise yourself with your notes and booklets from module 1.6 Equilibria, Le Chatelier's and K_c.
2. Using the resources provided in the folder, **complete the work booklet**. The textbook chapter and video links are good places to start but you can use other textbooks, websites etc of your choice to find the information.
3. Use the answer booklet to **mark and correct your booklet**.
4. Once you understand the topic, **complete the exam question booklet**.
5. **Mark and correct the exam question booklet**.
6. Add the workbook and exam booklet to your folder.

Task 2 –3.2.4 Period 3 elements and their oxides

1. Using the resources provided in the folder, **complete the work booklet**. The textbook chapter and video links are good places to start but you can use other textbooks, websites etc of your choice to find the information.
2. Use the answer booklet to **mark and correct your booklet**.
3. Once you understand the topic, **complete the exam question booklet**.
4. **Mark and correct the exam question booklet**.
5. Add the workbook and exam booklet to your folder.

PART 2: Year 12 Review work

You will need to revise all of your year 12 work to be fully prepared for the work you will be doing in year 13. The year 13 topics build on those topics covered in year 12.

Complete any remaining 7404_1 and 7404_2 past papers.

You will have a 70 minute test in the last lesson of the week beginning 11th September.

This test will include questions on: Halogens, Periodicity, Equilibria and K_c, Alcohols, Organic Analysis, K_p and Period 3 oxides.

It may also contain questions from any other Y12 topics.

Make sure that your folder is organised and ready for you to use in year 13.