

A Level Chemistry Summer Independent Learning Activity Y12 to Y13

Welcome to second year A Level Chemistry.

Please complete the following tasks and bring with you, in your folder, to the first lesson in September.

You have been given a copy of all these booklets for these tasks and can find an electronic copy in the "Y12-Y13 Chemistry SIL" folder in Class Materials of Team A Level Chemistry Class of 2025 ([SIL \(for start of Y13\)](#))

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 Kc.
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.

Make sure all **exam question booklets** are completed:

3.1.6 Equilibria (part 2), 3.3.5 Alcohols, 3.3.7 Organic Analysis

Also complete the following two AS Chemistry papers and then mark, in green, using the mark schemes: (Have your paper copy with you in your folder)

- 7404_1 2016
- 7404_2 2016

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