

A level Chemistry Induction Work: Phase 2

Hello again!

At the beginning of the course we take some time to recap what you have learned at GCSE, so this induction task seems to be a good opportunity to begin with this. Three critical concepts are found throughout the A-Level chemistry course and understanding these is crucial to making a good start to Year 12.

These topics are:

- Developments of the atomic model
- Bonding and properties
- Calculations involving moles

In phase 2 of the induction work you will look at the first two of these concepts, building on your understanding of chemistry from GCSE and seeing where it is found or used in the world around us every day.

What work is being set?

- In this second phase, you have been set the following work:
- Task 1 – To read through the article “Snooker balls, plum puddings and solar systems”. You should produce a one-page summary of the article, showing the key details of each model of the atom and the evidence that lead to its development over time
- Task 2 - These worksheets deal with dot and cross diagrams as well as the properties of different types of substance. Questions 4 and 5 for the dot and cross diagrams are meant to be challenging so given them a try, but don't worry if you can't get them completely correct – it will be interesting to see the method that you have used on them.

How long should I spend on this work?

- It is expected that you spend a total of five hours on this second phase of work.

Who should I contact with any questions?

- Dr Ovens – aco@hardenhuish.wilts.sch.uk

How and when to submit work:

- Submit your work in person to your teacher on the Year 12 Induction day - Wednesday 14th July.