

Year 12 Summer work:

Research these key chemical concepts that you will visit in the first few weeks of the Y12 course. Prepare yourself notes/diagrams/posters and prepare to show them to your chemistry teachers. *It will not be marked*, just checked that you have familiarised yourself and frontloaded the content.

- Avogadro's Mole- *knowing the difference between **amount** and **mass***
- s, p, and d orbitals and electron configurations
- Nuclear fusion
- Atomic Emission Spectroscopy
- Ionic, simple covalent, giant covalent and metallic bonding
- Bond angles in simple covalent molecules
- Trends across period 2 & 3