



**Chemistry Department - Additional Science
Key Stage Four**

NAME: _____

Topic 1: Atomic Structure

Use traffic lights to assess what you know now, and again at the end of this topic	Start	End
1) I know the relative masses of protons, neutrons and electrons and their relative electric charges		
2) I understand that the atom as a whole has no electrical charge because the number of electrons in the orbits (shells) is equal to the number of protons in the nucleus.		
3) I know that all atoms of a particular element have the same number of protons and atoms of different elements have different numbers of protons.		
4) I understand the terms atomic number and mass number.		
5) I can use data given in the form ${}^{23}_{11}\text{Na}$ to give the number of protons, neutrons and electrons present in the atom.		

Your teacher will read through the above statements with you, and elaborate on them slightly. Use the following key to colour the boxes to show how confident you are with your knowledge and understanding at the start of the unit. Hopefully when you revisit the sheet on the completion of the unit you will have made significant progress!

Green - I fully understand and could explain this to other people with ease.

Amber - I can remember some of this, but not enough to fully explain it.

Red - I do not understand this at all, or have never heard of it.

