



YEAR 10 CHEMISTRY REVISION CHECKLIST. Winter Examination.

As you begin your revision, complete this honestly to help you see where your priorities should lie for your revision. The target is eventually to get all your ticks in the left hand column.

This list covers the key areas for revision; it is for guidance only – other questions may be asked from the Safety, Atomic Structure and Acids topics.

I CAN:		
Recall hazard symbols and know about safety in the lab		
Topic 1: Atomic structure:		
Describe the position and properties of subatomic particles		
Define the terms 'atomic number' and 'mass number'		
Work out the number of protons, neutrons and electrons in atoms		
Explain why atoms are neutral		
Write electronic configurations for the first 20 elements		
Explain what 'ions' are and how they are formed		
Work out the charge on ions		
Define 'isotopes' and identify isotopes from the number of protons and neutrons		
Topic 2: Acids and Alkalis		
describe general properties of acids and alkalis		
name some common acids and alkalis, including those used in the lab		
Explain the difference between using litmus indicator and universal indicator		
Explain the practical method of how to make an indicator from a plant such as beetroot		
Use results from indicator tests to identify substances as acids, alkalis or neutral and give strength and pH		
Name salts formed during acid reactions		
recall the products formed and observations when acids react with the following substances: metals and carbonates		
Know how to test for the gases hydrogen and carbon dioxide, formed during acid reactions		