Y12 – Further Stoichiometry Checklist

Stick this checklist into your yellow book at the beginning of the topic. Tick off the topics as you cover them.		
In addition to the introduction to stoichiometry topic, in this module you are expected to be able to…	In Notes	Revised
• Define the terms ○ Anhydrous ○ Hydrated ○ Water of crystallisation ○ Acid/Base ○ Strong/Weak acid ○ Neutralisation		
• Calculate the formula of a hydrated salt from experimental data.		
• Plan experiments to collect gases		
• Calculate % error		
• Use the ideal gas equation pV=nRT		
• Calculate percentage yield		
• Calculate atom economy and explain the benefits of high atom economy in terms of sustainability		
• Write balanced equations for any acid base combination that involves common acids (HCl, H_2SO_4, HNO_3 and CH_3COOH).		
• Calculate concentration of solutions.		
• Describe how to carry out a titration including use of equipment and selection of indicator.		
• Calculate the concentration of an unknown acid/base using titration results.		
• Assign oxidation numbers to elements within compounds, and use Roman numerals to communicate oxidation state.		
• Identify when an element has been oxidised or reduced in a reaction.		

Pre-test Evaluation

I have…	
Updated my yellow book notes	
Ensured I understand all of my notes	
Looked on the open drive for additional work	
Asked my teacher for guidance	
Confidence rating	I'm doomed! -- - = + ++ I am the BOSS!