The Periodic Table: Qualitative Analysis

The key areas of study in this topic are:

- Test tube reactions to identify ions in an unknown compounds

By the end of this topic I should be able to:	Start	End
Describe and use tests for the following anions: • CO_3^{2-} (by reaction with $H^+_{(aq)}$ forming $CO_{2(g)}$) • SO_4^{2-}, by precipitation with $Ba^{2+}_{(aq)}$ • Cl^-, Br^-, I^- (by reaction with $Ag^+_{(aq)}$, followed by $NH_{3(aq)}$)		
Understand the correct sequence of anion tests required in order to avoid false positive results		
Describe and use tests for the following cations: • NH_4^+ (by reaction with warm $NaOH_{(aq)}$ forming NH_3)		

In all topic areas you should be able to demonstrate and apply your knowledge and understanding.