


Name:	Class:	3 rd week
What colour flame would sodium ions produce?	State the formula of ammonium sulphate.	
<p style="text-align: center;">$\text{NiO} + \text{C} \rightarrow \text{Ni} + \text{CO}$</p> Calculate the percentage atom economy for the reaction to produce nickel. Relative atomic masses (Ar): C = 12 Ni = 59 Give your answer to 3 significant figures.		
Balance the following equations. $\text{Na}_2\text{S}_2\text{O}_3 (\text{aq}) + \dots\dots\text{HCl} (\text{aq}) \rightarrow \dots\dots\text{NaCl} (\text{aq}) + \text{SO}_2 (\text{g}) + \text{H}_2\text{O} (\text{l}) + \text{S} (\text{s})$ $\dots\dots\text{NO}_2 (\text{g}) \rightarrow \dots\dots + \dots\dots\text{O}_2 (\text{g})$ <div style="text-align: right;"></div>		
State the conditions for the Haber process.	Explain how a catalyst increases the rate of a reaction.	
Draw the structural diagram for a molecule of methane.	A cream precipitate is formed in a reaction. Which ion is shown to be present by the cream precipitate?	
What is an isotope?	What ion makes a substance acidic?	