

Chemistry 1 a Week Activity		Foundation	44 th Week
Name:		Class:	
Give the formula of potassium sulfate. 	Give the formula of a hydroxide ion		
Complete the balanced equation for the overall reaction by putting numbers in the spaces. $2\text{Al}_2\text{O}_3 \rightarrow \dots\dots \text{Al} + \dots\dots \text{O}_2$			
In terms of electrons, what is reduction? 	The $\rightleftharpoons$ symbol in the word equation shows that the reaction goes forwards and backwards at the same time. Give the name of this type of reaction. 		
The formula of the iron oxide is Fe_2O_3 . Calculate the maximum mass of iron that can be obtained from 240 tonnes of iron oxide, Fe_2O_3 . (relative atomic masses: O = 16, Fe = 56) 			
Sodium thiosulfate solution, $\text{Na}_2\text{S}_2\text{O}_3$, reacts with dilute hydrochloric acid. $\text{Na}_2\text{S}_2\text{O}_3(\text{aq}) + 2\text{HCl}(\text{aq}) \rightarrow 2\text{NaCl}(\text{aq}) + \text{H}_2\text{O}(\text{l}) + \text{SO}_2(\text{g}) + \text{S}(\text{s})$ When dilute hydrochloric acid is mixed with sodium thiosulfate solution, the mixture turns cloudy. Explain why the mixture turns cloudy. 			
Give the electronic configuration of a sodium atom	Name the following substance, MnO₂		
Give the general formula of an alkane. 	Give the formula of an ammonium ion		
In what states will ionic compounds conduct electricity.			