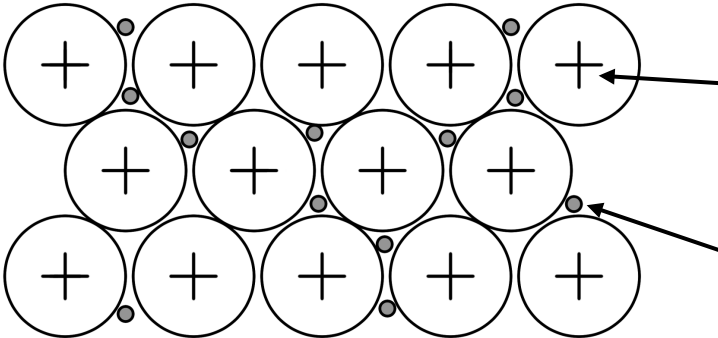


Chemistry 1 a Week Activity		Foundation	47 th Week
Name:		Class: 	
State the colour produced by sodium compounds in a flame test.	The formula of a salt is $\text{Ca}(\text{NO}_3)_2$. Name this salt.		
The diagram below shows the structure of a metal.  i. Identify the structures labelled below. ii. Explain how metals conduct electricity.			
Calculate the relative formula mass of silver chloride, AgCl . (relative atomic masses: $\text{Cl} = 35.5$, $\text{Ag} = 108$)	Calculate the percentage by mass of silver, Ag , in silver chloride, AgCl		
Balance the equation for the reaction between potassium and water by putting values in the spaces provided. $\text{.....K} + 2\text{H}_2\text{O} \rightarrow \text{.....KOH} + \text{H}_2$			
Describe a test to distinguish between Fe^{2+} and Fe^{3+} ions.	Describe a test to show that a gas is ammonia.		