CH1012 Tutorial 2

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1.	What is an amphoteric oxide – provide an example and use chemical equations to illustrate your answer?
2.	The chemistry of lithium (group 1A) and beryllium (group 2A) are significantly different to the
	other elements of groups 1A and 2A. ▶ Why do these elements show different reactivity?

- 3. What is the **alkali metal** in the 4th period and how many protons and electrons does it have?
 - ▶ Write down the atomic symbol for this element and include the atomic number.
 - ▶ Provide an electronic configuration for this element.

4.	 Ionic solids and covalent solids have substantially different physical properties. Provide an example of each type of solid using a group I metal in the ionic solid and a group non-metal in the covalent solid. List 2 physical properties (qualitative values) for each example of solid that you have provide 		
	▶ Explain why there are differences between the physical properties in each type of solid.		
5.	The Alkali Metals form basic oxides . Explain why the Group 1A oxides are basic using three		
	different types of oxides to illustrate your answer.		