ESPQ|CHY1|PRTL

Periodic	Table

1 Table 1 shows the electron arrangement of the atoms of four elements. The letters are not the correct symbol for the elements.						
Table 1						
	[Element	Electron arrangement in the atoms			
		А	2:1			
		В	2			
		С	2:8:1			
		D	2:8:8			
		E	2:8:4			
1 (a) (i) Give the letter or letters that matches the description of the elements given.						
		1 to help you answer. It in group 4 of the per		Element B is helium. It has two electrons on the outer shell but remember, the first		
Elements with a full outer shell B [1] D [1]						
An element that reacts with water to produce a metal hydroxide and hydrogen						
A [1] or C [1]						
Unreactive elements B [1] D [1]						
1 (a) (ii) Balance the following symbol equation for the reaction of lithium with oxygen. [2 marks]						
	4	Li + O ₂	>	2 Li ₂ O		
				(Total 7 marks)		
End						