0 2 .	1	Explain why the atomic radii of the elements decrease across Period 3 from sodium to chlorine. [2 marks]
0 2 .	2	Explain why the melting point of sulfur (S_8) is greater than that of phosphorus (P_4) . [2 marks]
0 2	. 3	Explain why sodium oxide forms an alkaline solution when it reacts with water. [2 marks]

0 2 . 4 Write an ionic equation for the reaction of phosphorus(V) oxide with an experimental production	xcess of
sodium hydroxide solution.	[1 mark]
Turn over for the next question	

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