1	Whi	ich of these decreases down Group 2?				
	A	First ionisation energy	0			
2	В	Atomic radius	0			
	С	Number of protons	0			
	D	Reactivity with water	0			
					(Total 1 mark)	
	Sulf	Sulfur dioxide (SO ₂) is produced when some fossil fuels are burned.				
	Whi	Which of the following statements is true?				
	Α	Sulfur dioxide can be removed from waste gases in a power station by an acid-base reaction with calcium oxide.		0		
	В	Sulfur dioxide is insoluble in wat	er.	0		
	С	Sulfur dioxide is a basic oxide.		0		
	D	Sulfur dioxide is an ionic compo	und.	0		
					(Total 1 mark)	
3	An aqueous solution of a sodium salt gave no precipitate when treated with either silver nitrate solution or barium chloride solution. Which one of the following could be the formula of the sodium salt?					
	Α	Nal				
	В	Na ₂ SO ₄				
	С	NaBr				
	D	NaF			(Total 4 manus)	
					(Total 1 mark)	
4	Which one of the following is a correct procedure for isolating a sample of hydrated copper(II)					

sulphate from a mixture of hydrated copper(II) sulphate and barium sulphate?

4

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- A filter, crystallise filtrate, dry the crystals
- **B** filter, dry the solid on the filter paper
- **C** add water, filter, dry the solid left on the filter paper
- **D** add water, filter, crystallise filtrate, dry the crystals

(Total 1 mark)

- Which one of the following solutions would **not** give a white precipitate when added to barium chloride solution?
 - A silver nitrate solution
 - B dilute sulphuric acid
 - **C** sodium sulphate solution
 - **D** sodium nitrate solution

(Total 1 mark)

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Mark schemes

1 A [1]
2 A [1]
3 D [1]
4 D [1]

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[1]