

GCSE Chemistry B (Twenty First Century Science)

J258/03 Breadth in chemistry (Higher Tier)

Question Set 23

		Mia has three metals, A , B and C , that she reacts with water.	
		This is what she sees:	
		Metal A Fizzes and reacts quickly.	
		Metal B A few bubbles appear after some time.	
		Metal C Slow fizzing.	
(a)	(i)	Which metal forms positive ions most easily?	
		Give one reason for your answer.	[1]
	(ii)	Metal A reacts with water to form A ²⁺ ions.	
		Write the half equation for this reaction.	[1]
	(iii)	Explain whether metal A is being reduced or oxidised.	[1]
(b)		Metal C goes brown when put in copper sulfate solution, CuSO ₄ .	
		Metal C forms a compound that contains C ²⁺ ions.	
		Write a balanced symbol equation for this reaction. Include state symbols.	701
			[2]
(c)		Metals conduct electricity.	
		Describe how the bonding in metals explains this.	
			[2]
			[2]

Total Marks for Question Set 23: 7

1



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