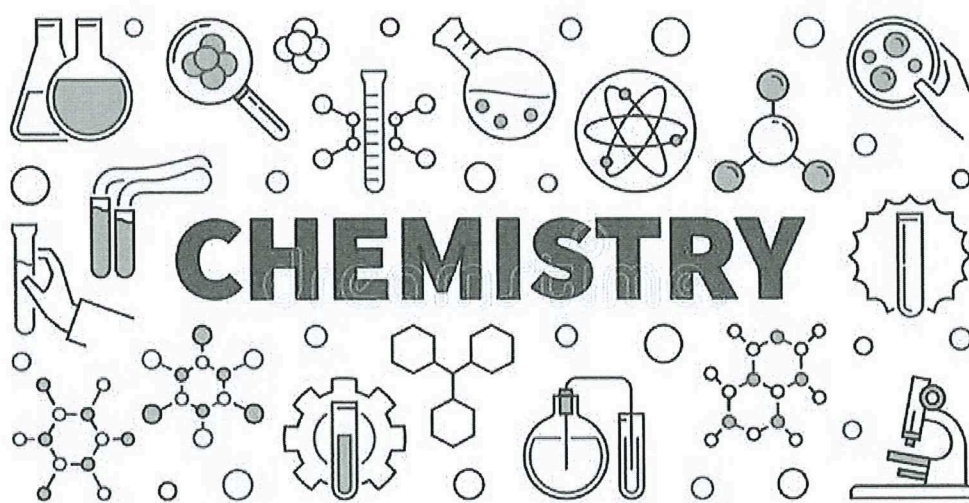


WJEC Chemistry 1  
Dual Award – Foundation Tier  
Mark Scheme



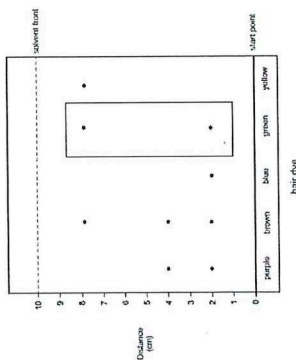
WJEC Chemistry 1  
Dual Award – Foundation Tier  
1.1 Mark Scheme

GCSE Double Award Science Unit 2 - Chemistry 1

Mark Scheme

Foundation Tier only questions

Question	Marking details	Marks Available					
		AO1	AO2	AO3	Total	Maths	Prac
1 (a)	B (i)		1		1		1
	(ii)		1		1		1
(b)	(i)			1	1		1
	(ii)						
(iii)	4 (2) working not needed	1	1		2	2	
	award (1) for reference to solvent distance being 10 cm						
	<b>Question 1 total</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>3</b>



Question	Marking details		Marks Available						
			AO1	AO2	AO3	Total	Maths	Prac	
2	(a)	1	1				1		
	(i)								
	(ii)	6	1				1		
	(b)	8.69% / 8.7% / 9% (2) award (1) for $M_r$ ( $K_2CO_3$ ) = 138 allow ecf from (a)(i) – i.e. correct method and calculations based on 3 carbon atoms and 8 atoms in total		2			2	2	
		<b>Question 2 total</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>



Question	Marking details	Marks available					Maths	Prac					
		AO1	AO2	AO3	Total								
2	(a)	C (1) neutral answer - hydrogen it contains one type of atom only (1)		2		2							
	(i)								D		1	1	
	(ii)												
(iii)	52.5	1	1	1									
(b)						(i)	50	(2)	2	2	2		
						(ii)	if answer incorrect award (1) for $\frac{32}{64}$		2	2	2		
	(c)	$2P + 3H_2 \rightarrow 2PH_3$		1		1							
<b>Question 2 total</b>			<b>0</b>	<b>6</b>	<b>2</b>	<b>8</b>	<b>3</b>	<b>0</b>					



