AQA GCSE Chemistry Topic 6: Rate and Extent of Chemical Change

Describe in detail what the rate of reaction graph shows.	Complete the formula triangle to show the formula for c Describe how increasing the surface area of a solid reactant affects the rate of reaction.			
4.0 3.5 (5) 3.0 N 2.5	mean rate of reaction = <u>quantity of product formed</u> time taken			
ST 2.0 ST 2.0 ST 1.5 U 1.0 0.5				
0.0 0 30 60 90 120 150 180 210 240 Time (seconds)		Write down the definition of a catalyst.		
	Calculate the rate of reaction when: The amount of product made is 650g and it takes 50 seconds to produce. Show your working out.	How do catalysts work?		
Why does it have this shape?				
		g	Wh read Use	
Describe how sodium thiosulfate can react with HCl in a practical. Write it step by step.				
1		What does this symbol show?		
2	Explain what happens when a reaction is in equilibrium.			
		What is Le Chatelier's Principle?		
3				
4	Why can reactions only reach equilibrium in a closed system?	Give an example of a condition that could be changed.		
5				
5			_	







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Describe how marble chips and hydrochloric acid can react to produce carbon a		Draw a graph of the following results. Add a curve of best fit.			Sketch a graph to show a	
uloxide. Write it step by step.		Time	Volume of gas]		
1		0	0			
		10	11			
2		20	16	1		
		30	19			
		40	21	1		
3		<u></u>	1			
4						
·						
5					Sketch a gr	aph to show a
						•
6						
0						
How can a balance be used to measure the amount of gas being produced?		Why would you add a tangent to the graph?				
Choose the correct answer.						
1. The quicker the mass lost, the quicker the reaction.	M/h at al		h 2			
2. The slower the mass lost the quicker the reaction.	what a	bes the steepness of the tangent s	snow?			
3 The quicker the mass is gained the quicker the reaction						
5. The quicker the muss is guined the quicker the reaction.						
I am feeling confident in the following topics	How ca	n a graph be used to calculate th	ne mean reaction rate?	e	Find the me	ean rate of rea
	Answer	the question using the information	on:		At 30s 20	cm³ of produc
	• Wor	'r out wnen the reaction finishea 'r out how much product formed			produced.	ont of product
	Divi	de by the time taken to finish.	· /			
	The line	goes flat at 70s and 80cm³ of go	as was produced.			
	Mean ro	ite =				
I need to work on the following topics						
·						
					Mean rate =	=





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