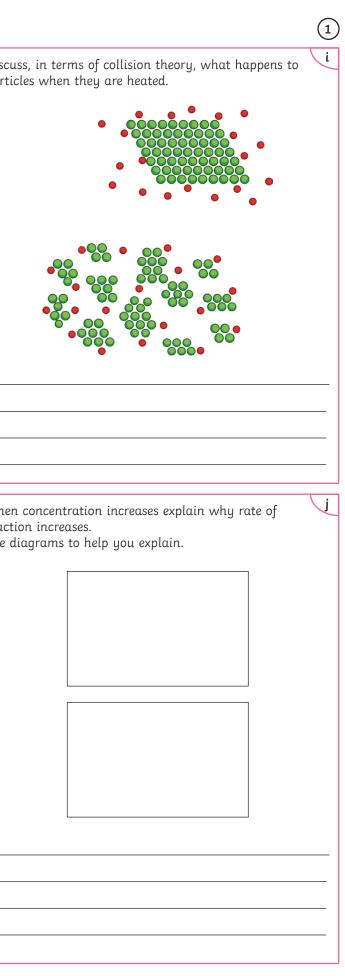
AQA Chemistry Unit 4.6 - Rate of Chemical Change - Higher

Describe in detail what the rate of reaction graph shows.	Complete the formula triangle to show the formula for calculating rates of reaction.	Describe how increasing the surface area of a solid reactant affects the rate of reaction.			
4.0 3.5 3.0 Port of the second sec	mean rate of reaction = <u>quantity of product formed</u> time taken	Why does this happen?			
0.0 0 30 60 90 120 150 180 210 240 Time (seconds)					
	Calculate the rate of reaction when: The amount of product made is 650g and it takes 50 seconds to produce. Show your working out.				
Why does it have this shape?					
		g	Wh rea Use		
Describe how sodium thiosulfate can react with HCl in b a practical. Write it step by step.					
1	d	What does this symbol show?			
2	Explain what happens when a reaction is in equilibrium.	h			
		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					



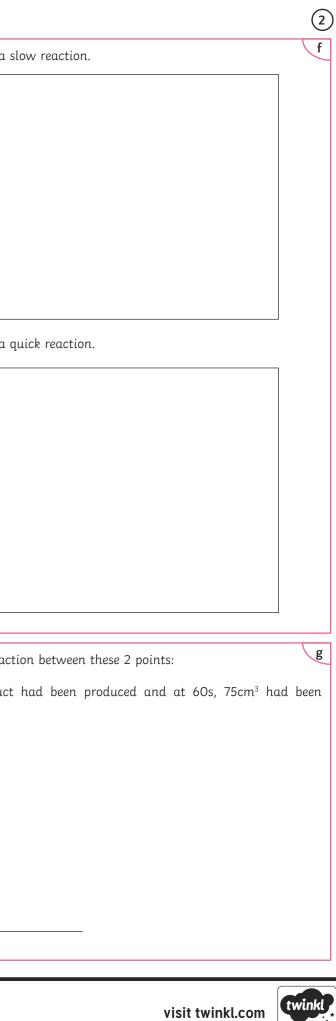




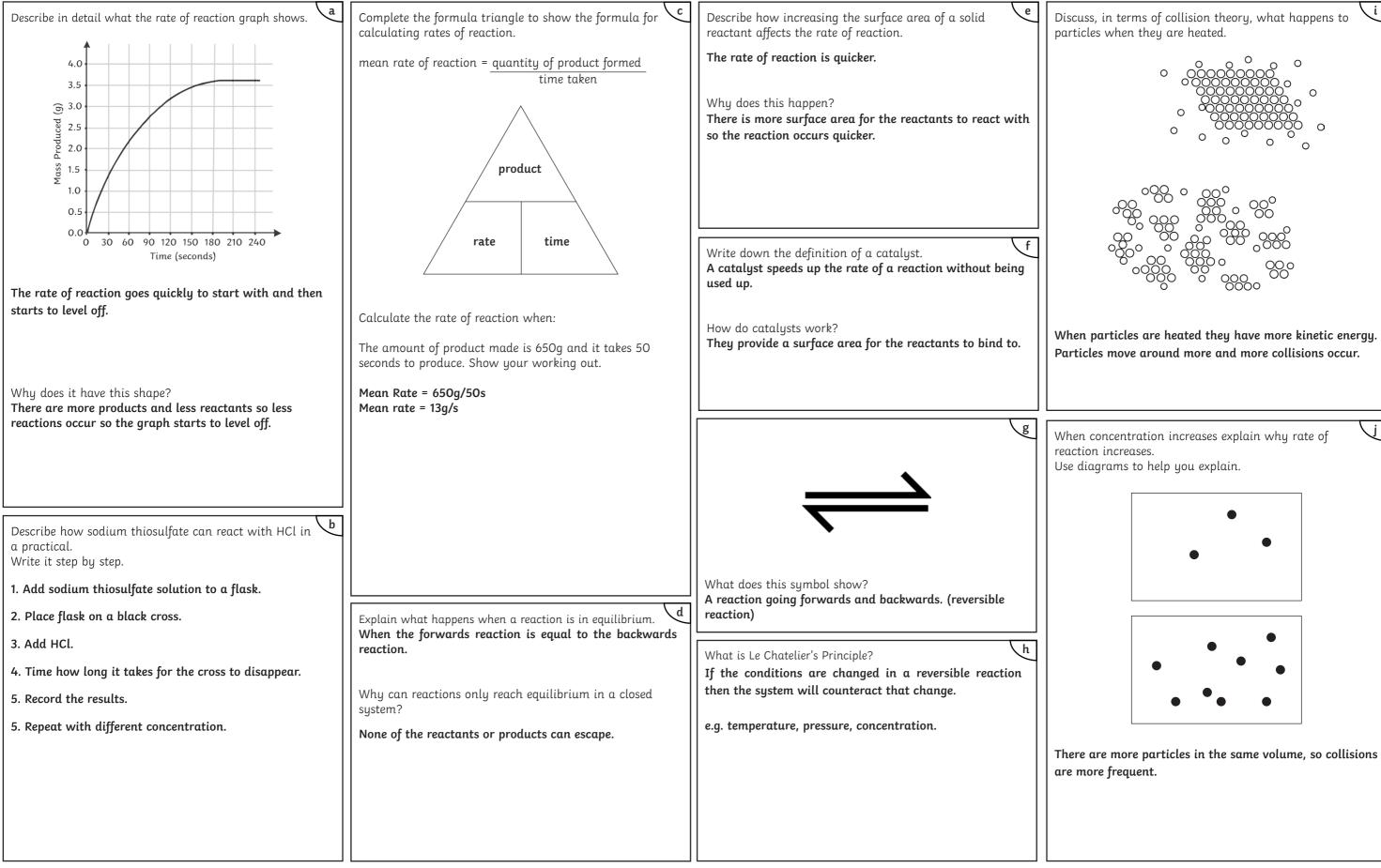
AQA Chemistry Unit 4.6 - Rate of Chemical Change - Higher

Describe how marble chips and hydrochloric acid can react to produce carbon dioxide. Write it step by step.	Draw a graph of the following results. Add a curve of best fit.		d	Sketch a	graph to show a
dioxide. Write it step by step.	Time	Volume of gas]		
1	0	0			
	10	11	1		
2	20	16	1		
	30	19	1		
	40	21			
3					
4					
5					
				Sketch a	graph to show a
				Γ	
6					
How can a balance be used to measure the amount of gas being produced? b	Why would you add a tangent to the gr	aph?			
Choose the correct answer.					
1. The quicker the mass lost, the quicker the reaction.	What does the steepness of the tangent s	how?			
2. The slower the mass lost the quicker the reaction.	what abes the steephess of the tangent s	ST LOVV :			
3. The quicker the mass is gained the quicker the reaction.					
c			e		
I am feeling confident in the following topics	How can a graph be used to calculate the mean reaction rate? Answer the question using the information:			Find the mean rate of read	
· ·	Work out when the reaction finished				20cm ³ of produc
	Work out how much product formed	;		produced	1.
	• Divide by the time taken to finish.				
	The line goes flat at 70s and 80cm ³ of g	as was produced.			
	Mean rate =				
I need to work on the following topics					
				Ma	
·				Mean rai	te =





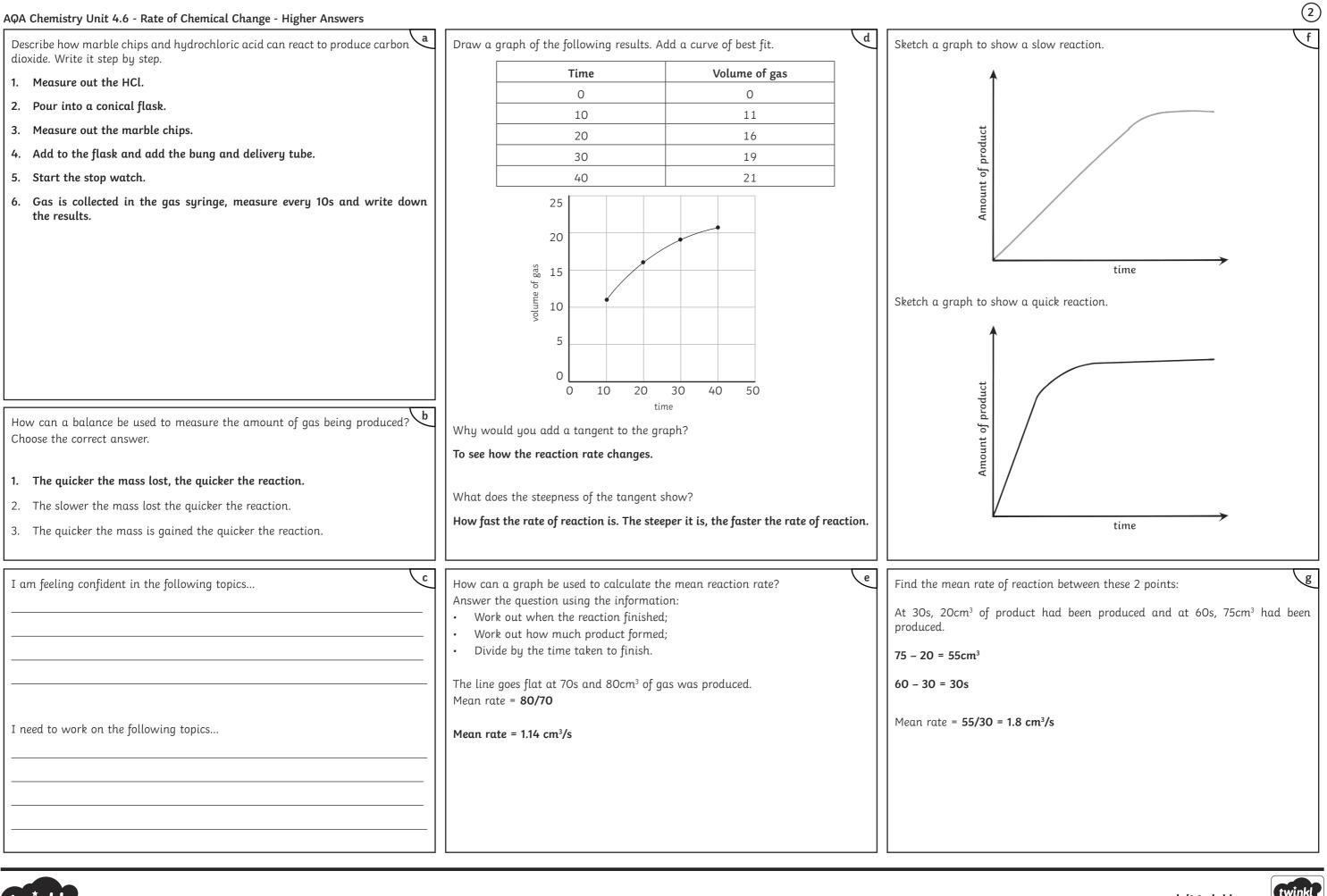
AQA Chemistry Unit 4.6 - Rate of Chemical Change - Higher Answers







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