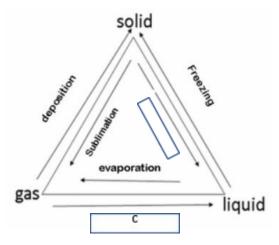
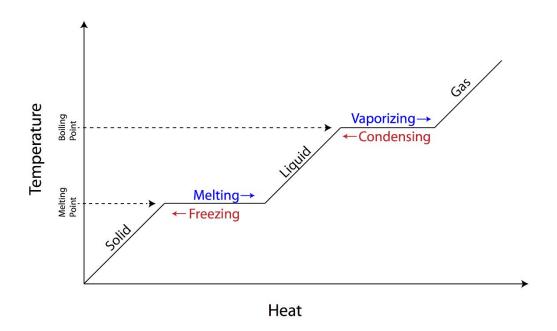


1. Write in the change of state in the appropriate places on the diagram below.



2. Write the correct state in the spaces provided.





3.	Il in the words in the spaces below to complete the definitions of terms 'exothermic' and 'endothermic.'		
	Exothermic reaction: a reaction that expression of the control of the cont		
	Endothermic reaction: When energy is surroundings, and the temperature of the surroundings		<b>_</b> •
4.	Give two reasons why there may be an increase in the rate of reaction.	temperature affects	
	The particles gain more energy	П	
	It increases the concentration in particles		
	The surface area is increased of the particles		
	It makes the particles move faster		
5.	During a chemical reaction, new substances are for Which of the following is <b>not always</b> true?	med from old on	es.
	New substances can be changed back to the original ones		
	The total mass of products equals the total mass of reactants		
	There is often a colour change		
	There is often a temperature change		



	Lifeigeties	
6.	When zinc carbonate reacts with dilute hydrochloric products?	acid, what are the
7.	Write the general equation for the reactions below: a) Metals and acids	
	b) Metal carbonates	
	c) Metals and oxygen	
	8. Draw a line from each reaction to either <b>endothe</b>	rmic or exothermic.
	Reaction Respiration	
	Neutralisation	Endothermic
	Photosynthesis	Exothermic
	Thermal	

GCSE > Energetics

decomposition



9. Define the term conservation of energy.
10. How is energy transferred in a chemical reaction?
11. How do you know an exothermic reaction has taken place?
12. Not every collision in particles is a chemical reaction. Explain why.