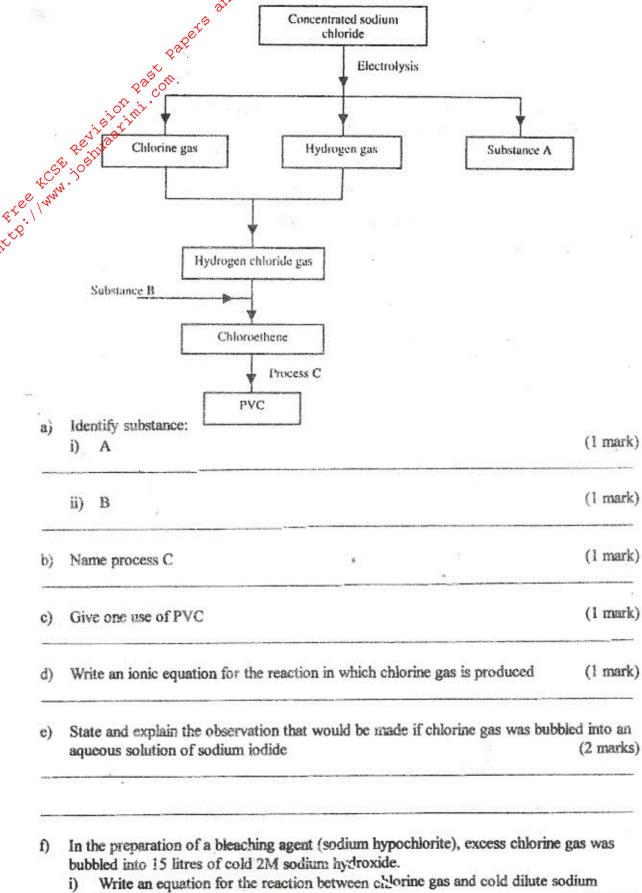
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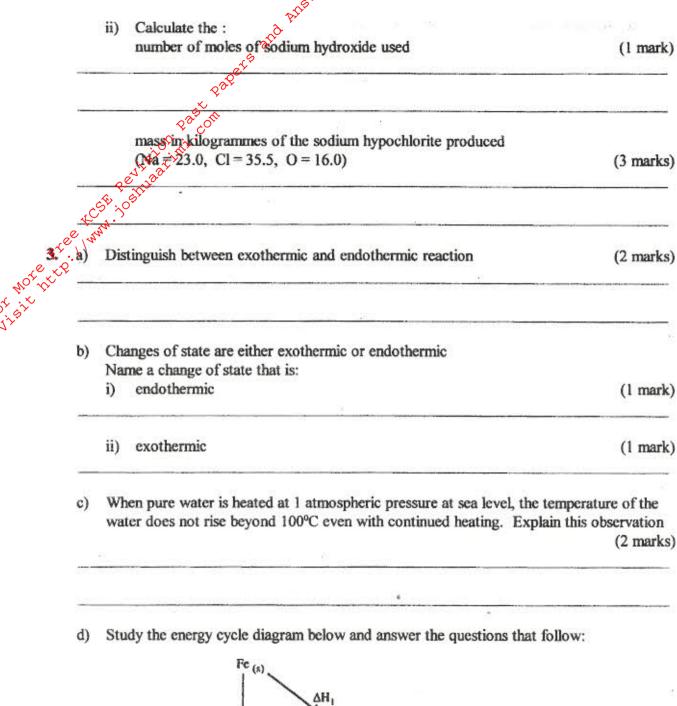
-	53555 25755 	at method can be used to separa			(1
b)	i)	Explain how a solid mixture of	sulphur and sodi	um chloride can be sept	
Vess		sulphur and solid sodium chlor	ide	Section 19 and 19 a	(41
	\$0.00	3tua.			
o to	No. 30				
. \ `	ii)	How can one determine if the	solid sulphur is pu	re?	(21
100					
c)	The	table below gives the solubilitie	es of potassium br	romide and potassium s	ulphate at 0°C
	400	C Substance	Solubility g/100g water at		
			0°C	40°C	
		Potassium bromide	55	75	98
		게 하는 사용을 가능하는 사람들이 있는 사용 사용 경우를 가능하는 사용을 하는데요.			
		Potassium sulphate	10	12	
		en an aqueous mixture containi	ng 60g of potassiu	um bromide and 7g of po	otassium sulp
		L	ng 60g of potassiu	um bromide and 7g of po	otassium sulpi (1
_	100	nen an aqueous mixture containi Og of water at 80°C was cooled	ng 60g of potassiu at 0°C, some crys	um bromide and 7g of po	
	100 i)	nen an aqueous mixture containing of water at 80°C was cooled Identify the crystals	ng 60g of potassiu at 0°C, some crys	um bromide and 7g of po	
	i) ii)	nen an aqueous mixture containing of water at 80°C was cooled Identify the crystals Determine the mass of the crystals	ng 60g of potassiu at 0°C, some crys	um bromide and 7g of po	
	100 i)	nen an aqueous mixture containing of water at 80°C was cooled Identify the crystals	ng 60g of potassiu at 0°C, some crys	um bromide and 7g of po	

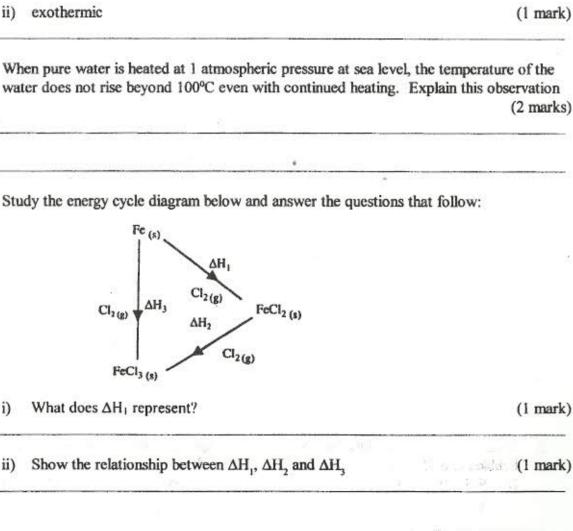
2. Study the flow chart below and answer the questions that follow:



hydroxide

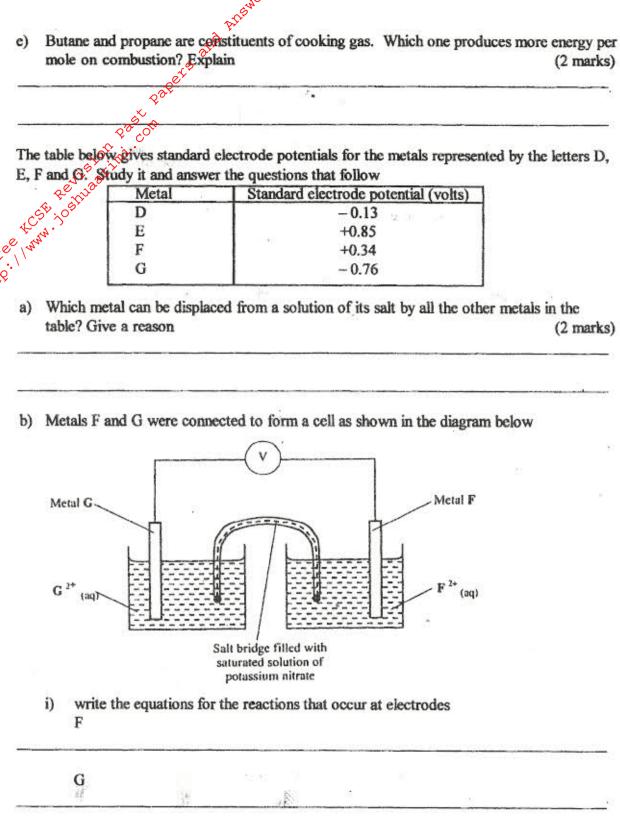
(1 mark)





(1 mark)

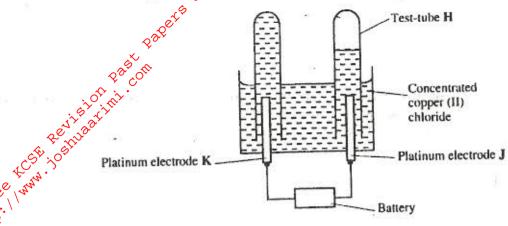
(1 mark)



ii) on the diagram, indicate with an arrow the direction in which electrons would flow (1 mark)

iii) What is the function of the salt bridge?

 an electrical current was passed through a concentrated solution of copper (II) chloride as shown in the diagram below



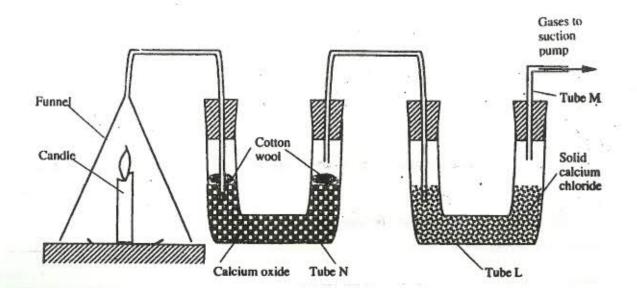
 Explain the observation that would be made on the electrolyte as the experiment progresses (2 marks)

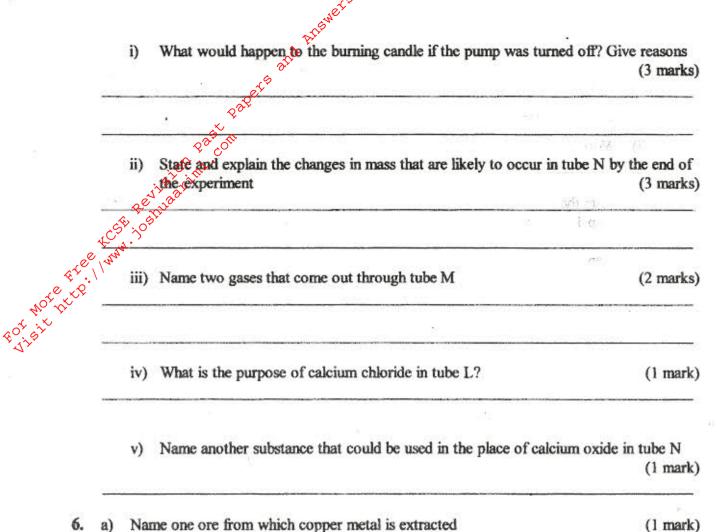
ii)	After sometime, test-tube H was found to contain a mixture of two gases.	Explain
	this observation.	(3 marks

- iii) Which of the electrodes in the anode? Explain (2 marks)
- Candle wax is mainly compound consisting of two elements. Name the two elements
 (2 marks)

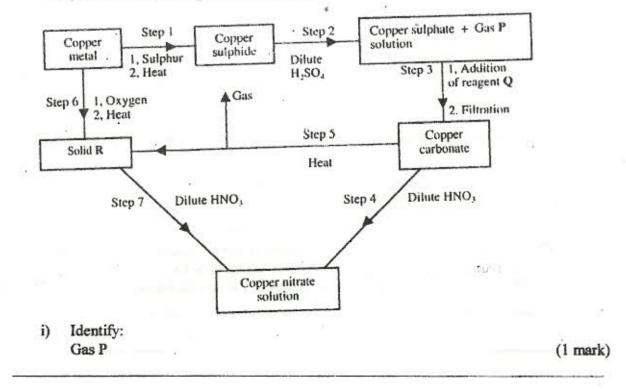
ii)

b) The set-up below was used to investigate the burning of a candle. Study it and answer the questions that follow:





The flow chart below shows a sequence of reactions starting with copper. Study it and answer the questions that follow



		Reagent Q And Anti-	(1 mark)			
= 500m		Solid R	(1 mark)			
	ii)	Write an equation for the reaction that takes place in step 5	(1 mark)			
, (iii)	State the observations made in steps 4 and 7	(2 marks)			
e 14	Lung.	Step 7	(1 mark)			
c)	Bro i)	State the observations made in steps 4 and 7 Step 4 Step 7 nze is an alloy of copper and another metal Name the other metal	(1 mark)			
	ii)	Give one use of bronze	(1 mark)			
a)	Wri	te the structural formulae of methanol	(1 mark)			
	ii)	methanoic acid	(1 mark)			
b)	Wri	ite an equation for the reaction between methanoic acid and aqueous sodium	hydroxide (1 mark)			
c)	i)	Name the product formed when methanol reacts with methanoic acid	(1 mark)			
4500	ii)	State one condition necessary for the reaction in (c) (i) above to take place	(1 mark)			
d)	Describe one chemical test that can be used to distinguish between hexan hexene					
	ii)	State one use of hexene				
-	iii)	Hydrogen gas reacts with hexene to form hexane. Calculate the volume of gas required to convert 42g of hexene to hexane at S.T.P.	hydrogen			