

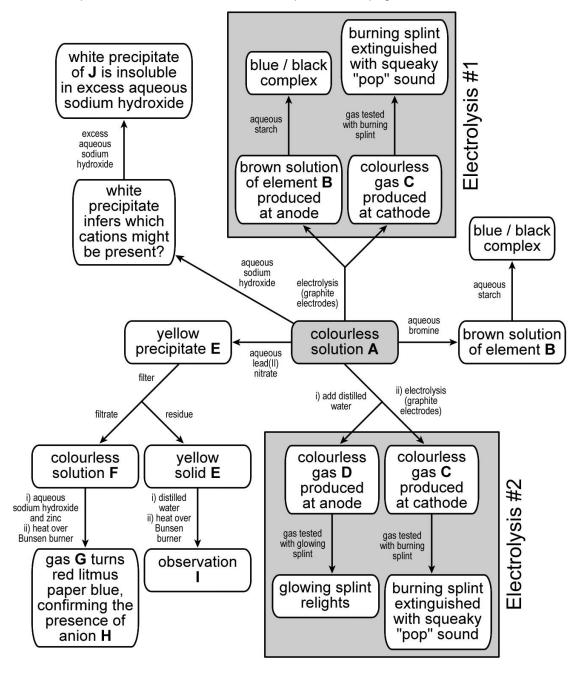
Name:	 	(

Chem!stry class:

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Revision of Qualitative Analysis, Redox and Electrochemistry #2

Study the reaction sequence below, and then answer the questions on page 2.



Questic	on 1: Using chemical formulae	e, identify chemicals A to J :			
A is		B is	C is		
D is		E is	F is		
G is		H is	J is		
Questi	on 2:				
Write th	e ionic equation for the reaction	on between solution A and aqueous br	omine:		
Questi					
		on between solution A and aqueous lea			
Questio					
When a	queous sodium hydroxide is a	added to solution A, a white precipitate	is formed. This observation infers		
that whi	ch cations might be present in	n solution A ?			
Questio					
		E is heated with distilled water?			
	•				
Questic	on 6:				
Write io	nic half-equations to describe	Electrolysis 1 of solution A:			
Anode:		Cathode:			
Questic	on 7:				
a)	•	n for the reaction at the anode during E	•		
b)		roduced at the anode during Electroly :			
,	produced at the anode during Electrolysis 2 :				
	·				
Questic					
If an ac	·	nanganate(VII) is added to solution A,	,		
	·	$4^{-}(aq) + 8H^{+}(aq) + 5e^{-} \rightarrow Mn^{2+}(aq)$	+ 4H ₂ O(<i>l</i>)		
	ionic half-equation 2: 2I ⁻ (a	" , "			
a)	· · · · · · · · · · · · · · · · · · ·				
	equation for the reaction:				
b)		assium manganate(VII) and solution A			
	i) What has been oxidise	ed:			
	ii) What has been reduce	ed:			
	iii) What is the oxidising a	gent:			
	iv) What is the reducing a	gent:			

• Click on the QR code given below to view the answers to this assignment.



http://www.chemist.sg/electro_chem/electro_chem_and_qa/electro_chem_qa_2_ans.pdf