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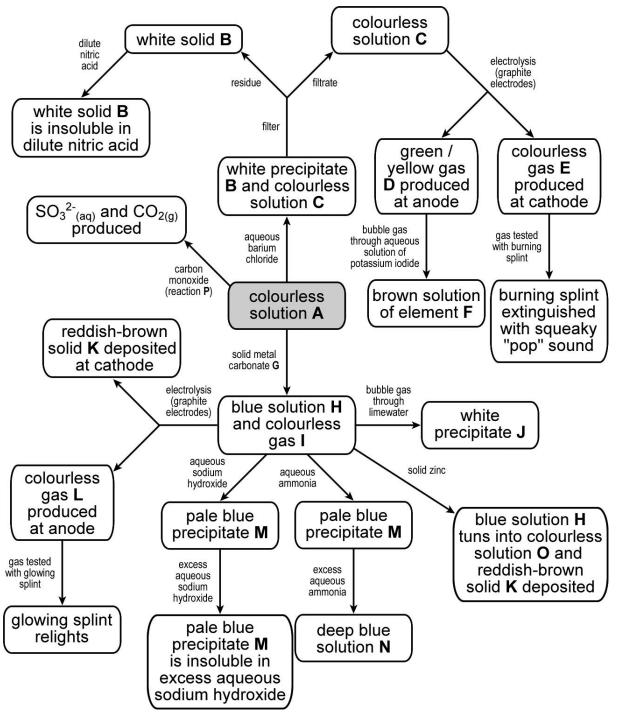
Chem!stry Class:

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Revision of Qualitative Analysis, Redox and Electrochemistry #1

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



Questic	on 1:				
Using cl	hemical formulae, identify all	of the chemicals A to O :			
A is		B is	C is		
D is		E is	F is		
G is		H is	I is		
J is		K is	L is		
M is		N is	O is		
Questic	on 2:				
Write io	nic half-equations to describ	e the electrolysis of colourless solution	C:		
Anode:					
Cathode	э :				
Questic	on 3:				
Write io	nic half-equations to describ	e the electrolysis of blue solution H :			
Anode:					
Cathode	3 :				
Questic	on 4:				
Write th	e ionic equation for the reac	tion between blue solution H and solid z	zinc:		
a) b)	aqueous potassium iodide Write the ionic half-equation	cal equation that describes the reaction: on that describes what happens to the g	reen / yellow gas D :		
c)	Write the ionic half-equation that describes the formation of element F :				
d)	i) What has been oxidis				
u)	ii) What has been reduc				
e)	i) What has been reducei) What is the oxidising				
c)	ii) What is the reducing ag	•			
Ouestic	on 6 (Advanced):	GIII:			
	•	nic half aquation that describes the farm	nation of SO-2-(ag):		
a)	For reaction F , write the lo	nic half-equation that describes the forr	11ation of 303- (aq).		
b)	For reaction ${\bf P}$, write the ionic half-equation that describes the formation of $CO_2(g)$:				
c)	Combine your answers to describe reaction P :	6 a) and 6 b) together and hence write	the overall ionic equation to		

• 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_1_ans.pdf