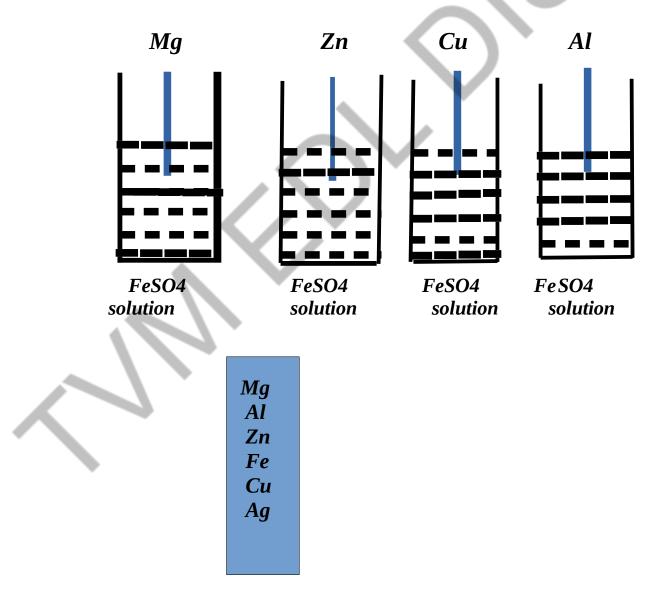
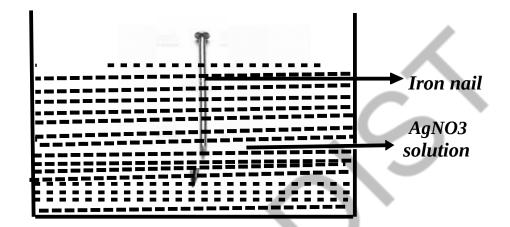
THIRUVANANTHAPURAM EDUCATIONAL DISTRICT CHEMISTRY CHAPTER 3 MODULE 2 STD X Reactivity Series and Electrochemistry



1.Some metals of reactivity series are given in the box.Analyse the picture given below and answer the questions.



a.Which metals can displace Iron (Fe) from FeSo4 solution? b.Which metal cannot displace iron?Why?



a.What change is seen on the surface of iron nail?

b.Complete the chemical equation taking place here Fe+2AgNO₃ Fe (NO₃)₂₊

c.Which metal is oxidised in this case?

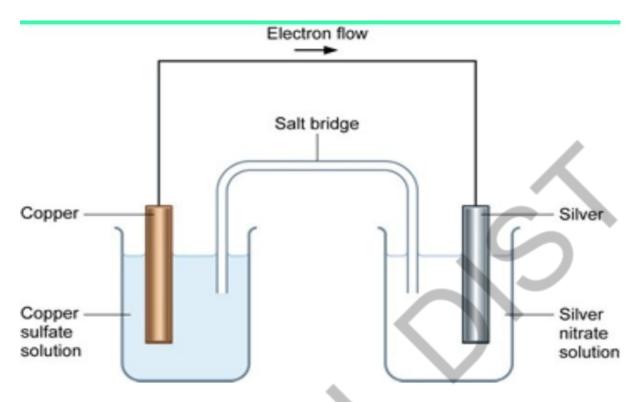
d.Which metal is reduced?

e.Write the equations showing oxidation and reduction.

Oxidation :

Reduction :

f.Which metal is displaced here?



In the Galvanic cell given above a.Which is anode and cathode here ?

- b.Write the chemical reaction taking place in anode?
- c.Write the chemical reaction taking place in cathode?
- d.Write the redox reaction?

e.What is the direction of the electron flow?

Complete the chart

4.

Cell	anode	cathode	Reaction at Anode	Reaction at Cathode	Redox Reaction
Fe-Cu	Fe	•••••	Fe →Fe ²⁺ +2e ⁻		••••••
Cu-Ag	•••••	Ag		2Ag+2e─►2Ag	•••••