

Chemistry
Reactivity series and electrochemistry

STD X

1. a) A fresh Mg ribbon kept exposed in air for some days loses its luster. Why?

b) Write the chemical equation for the reaction.

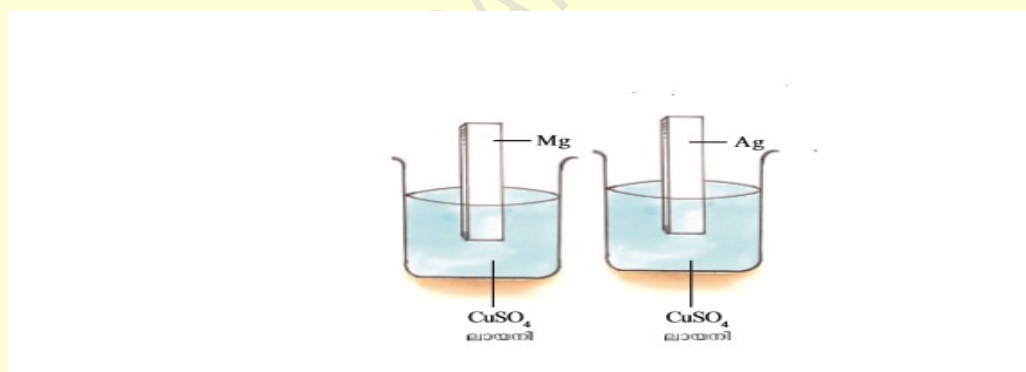
2. Some metals are given in the order of decreasing reactivity.



a) Which metal can displace all other metals from its salt solution?

b) Which is the metal which cannot displace hydrogen when treated with dilute hydrochloric acid?

3.



(1)

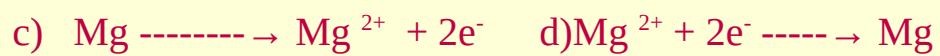
(2)

a) In which beaker displacement reaction takes place.?

b) Write the equation for the reaction?

4) Tabulate the equations as oxidation and reduction.





5)



ZnSO_4



CuSO_4



MgSO_4



a) Choose the appropriate salt solutions and metal rods to make a galvanic cell. Draw the arrangement of the Galvanic cell using these?

b) Mark the direction of electron flow.