



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

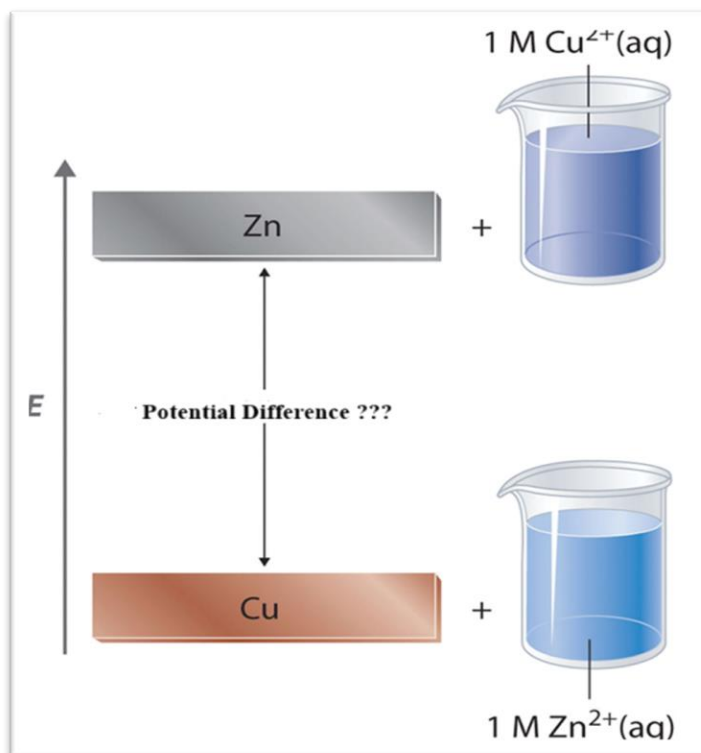
Course Code & Name : **23CHT101-ENGINEERING CHEMISTRY**

Course Faculty : **Dr.R.K.Sankaranarayanan**

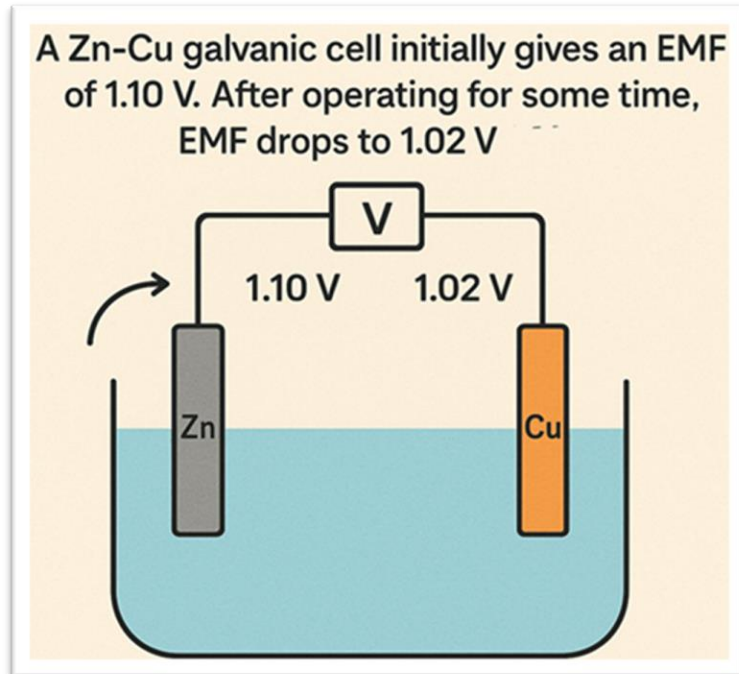
Puzzles / In Class Activities

UNIT-1 ELECTROCHEMISTRY PUZZLE

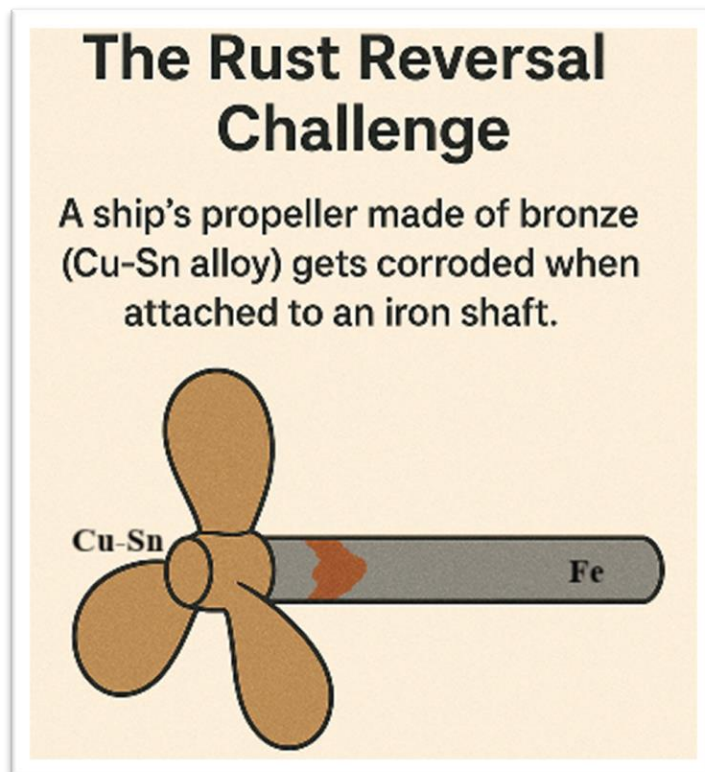
1) Potential difference between two electrodes?



2) Without touching the electrode how could you restore the original voltage?

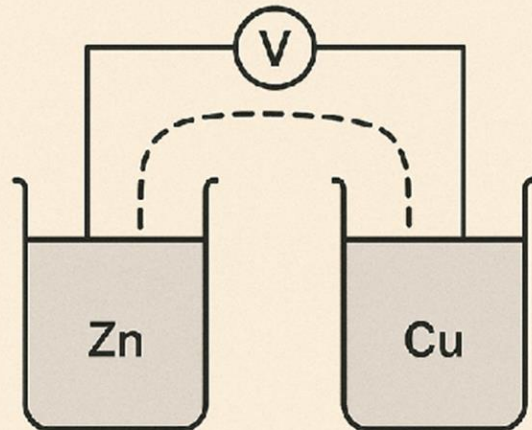


3) Use the electrochemical series to predict which metal corrodes?



4) Design an ideal bridge and composition for accurate EMF measurement

A galvanic cell gives a stable EMF when using a salt bridge with KCl, but when replaced with Na_2SO_4 the EMF fluctuates.



5) How to prevent redissolution during industrial electrolysis?

In a plating factory, copper metal seems to dissolve back into solution even after being deposited on a cathode.

