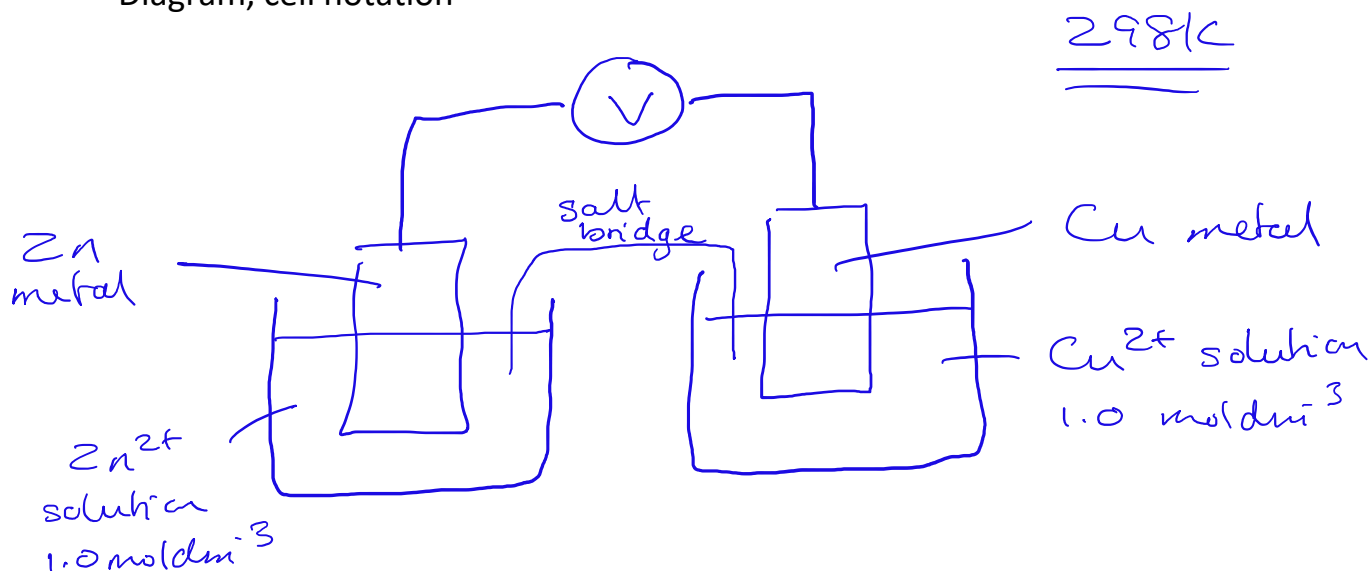


Electrochemical Cells

When we combine 2 half cells we can calculate the standard cell potential. E.g. zinc and copper.

****The more negative half cell is drawn on the left****

Diagram, cell notation



Calculation

We calculate the standard cell potential using the equation

$$\text{Right hand side}^{\oplus} - \text{left hand side}^{\ominus}$$

E.g. for zinc and copper



$$+0.34 - -0.76 = \boxed{+1.10\text{V}}$$



(Feasible reaction)

E.g. silver and zinc



$$+0.80 - - 0.76 = +1.56 \text{ V} \quad (\text{feasible})$$

