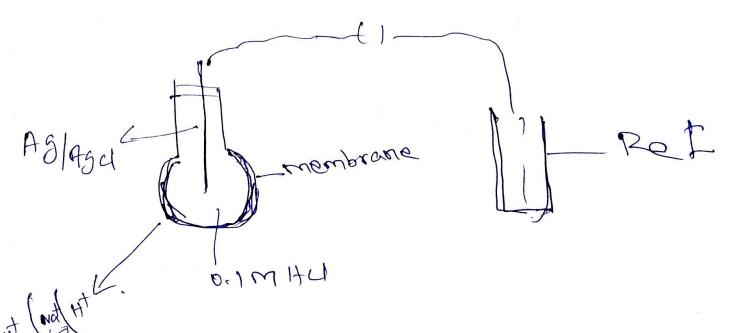
Application of potential measurements

Ion selective electrode

- selectively respond
ignores all other ion

Sensors

Ex: Glass electrode - PH measure



Tereloped. C2

$$E_{gluss} = E_{gluss}^{\circ} - 0.0591109 [HT]$$

$$= E_{g}^{\circ} - 0.0591 [-PH]$$

$$= E_{g}^{\circ} + 0.0591 PH$$

PH-measurement

$$\begin{aligned} & = E_{SCE} - E_{g} \\ & = 0.2422 - \left(E_{g} + 0.0591 \text{ pH} \right) \\ & = 0.2422 - \left(E_{g} + 0.0591 \text{ pH} \right) \\ & = 0.0591 \text{ pH} = 0.2422 - E_{g} - 0.0591 \text{ pH} \\ & = 0.2422 - E_{g} - E_{cell} \end{aligned}$$

Application of EMF series

2-87 Av3+ As+ Cn2+20 -> Cn 0-34 -0-13 - 0.24 -3.5 O Relative odidation/Reduction behaviour

2 Hz Displacement in Auid

3) standard EMF ECEN - EDITS

Feasibility of the rean $\Delta G = -hFE + \Delta G = -hFE$

Even = (+) re -> 16 = (-) re

reasible spontaneon.

ECAN = (-) re - > 16= (+) re.

Not feasible and not spontaneous