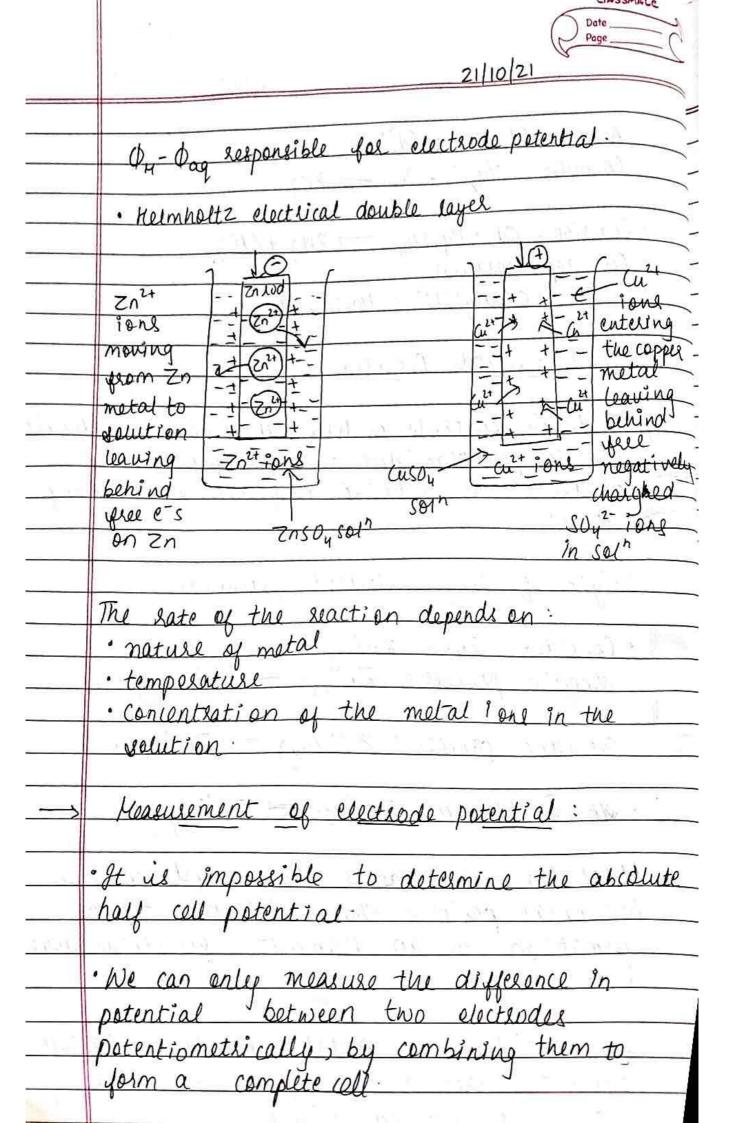
| 18 | 10 | 21 | _ |
|----|----|----|---|
| - | | | |

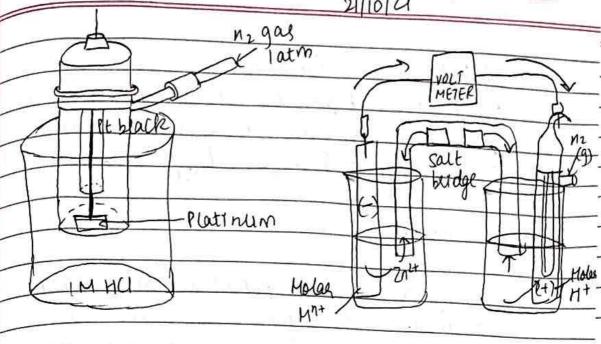
| | 18/10/21 |
|---|--|
| | |
| | ANODE: $(d_{(S)} \longrightarrow (d^{2+} + 2e^{-})$ CATMODE: $Hg_{2}^{2+} + 2e^{-} \longrightarrow 2Hg$ |
| | CATMODE: Hg. 2+ 2e -> 2Hg |
| | The second restriction and self- |
| | Reaction: Cd + Hg2 SO4 -> 2Mg + CdSD4 |
| | (all representation: |
| I | cd-Mg/cd2+; Hgzsoy/Mg |
| | |
| | Single Electrode Potential: |
| | |
| | A single electrode or half cell develops a definite |
| | electric potential due to the spontaneous |
| | oxidation or reduction half reaction occurring |
| | at it |
| | |
| | Origin of wingle electrode potential |
| | V A DECEMBER OF A DESCRIPTION OF A DESCR |
| | · Consider Inis) / Znsoy |
| | Anodic process: Zn2f(5) > Zn2f(aq) |
| | vine a likely built of the second of the sec |
| | Cathodic plucess: Zn2+ (aq) -> Zn2+ (S) |
| | |
| | · alt equiliberum: Zn2+(s) = Zn2+(aq) |
| | V. 2 |
| | Hetal has not negative charge and solution |
| | |

has equal positive charge leading to the formation of an Helmholtz electrical double

Yirst $7n^{2+}$ leaves the metal had into the agreein; the late decreases, Zn2+ goes from ag to (S), but no completely



21/10/21



sign of elect hode potential:

· When an electrode is coupled with a SHE, if reduction occurs then EP is given a

e.g. Copper electrode + SME Cuzi + 2e -> (4(5) seduction at copper electrode

112(g) -> 211 (aq) + 2e oxidation at hydrogen electrude (ano de)

E° = +0.34 V

· When an electrode is coupled with a SHE, if oxidation occurs then FP is given a -ve dign

Zinc electrode + SME $Zn(s) \rightarrow Zn^{2+}(aq) + 2e^{-}$ (oxidation) $2n^{+}(qq) + 7e^{-\frac{U}{2}} H_{2}(q)$ (Reduction)

| | classmate Date Page |
|----------------------|--|
| | 2/10/21 |
| | 5,07 |
| \rightarrow | Liquid Junction Potential |
| . 4 | e difference between the electric potentials developed in the two solutions across their interface |
| | in the two solutions across their interface |
| | Ej = Osoln, R - Osoln, L Eip = (t - t+) PI (n/az) |
| | |
| -3/3 | alt Bridge |
| : = 9 . 7 | he leguid junction potential can be reduced |
| | to about 1 to 2 mV) by isining the |
| | to about 1 to 2 mV) by joining the lectrolyte compartments through a salt bridge |
| | A Transport of Alberta Comments of the Alberta Comment |
| | |
| , A ₁ , = | e dring Kulmar is about the a side e |
| | in si 9 2 maish kandha makin mahil |
| | |
| | |
| | - P a Contra William & Ton- |
| 1 15 15 | The Bridge Harris State of the |
| 1 | |