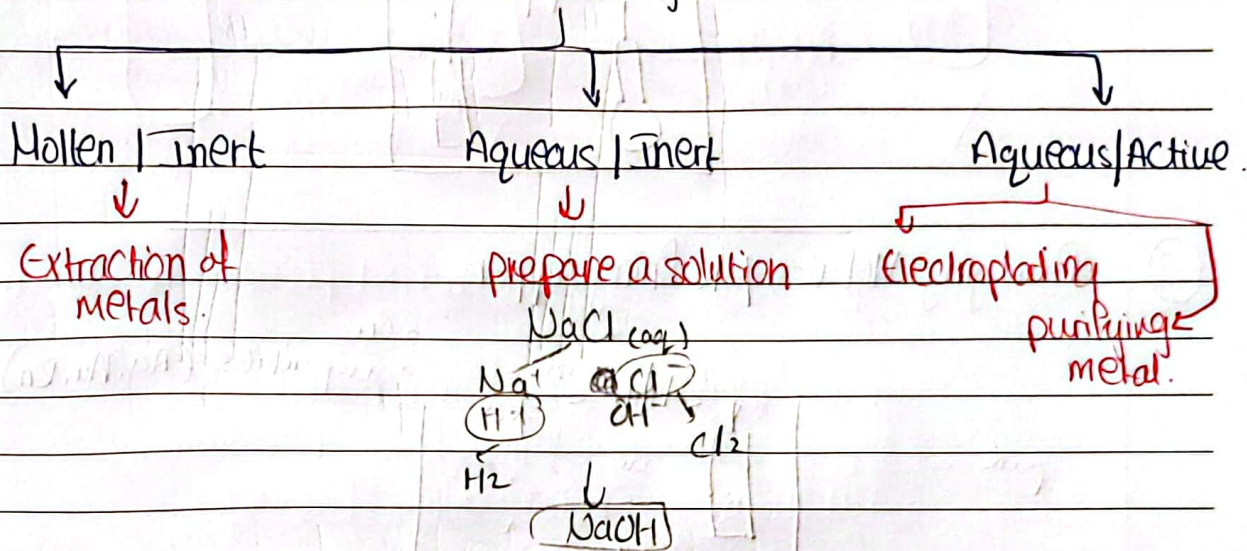


Electrolysis

Applications on electrolysis



- Electroplating:-

→ coating a metal with another metal using electrolysis

* why? → ① to prevent rusting.
② more attractive

→ How to electroplate a metal spoon with silver?

1- Clean the spoon from any impurities as oxide layer, using sand paper, to ensure a good sticking.

2- Make the spoon the cathode (-ve)

3- the anode must be Ag.

4- the electrolyte must contain Ag^+ eg. AgNO_3 (aq)

5- turn on the circuit "be sure that the spoon is fully immersed in the electrolyte"