

Section 2

Fuel cell

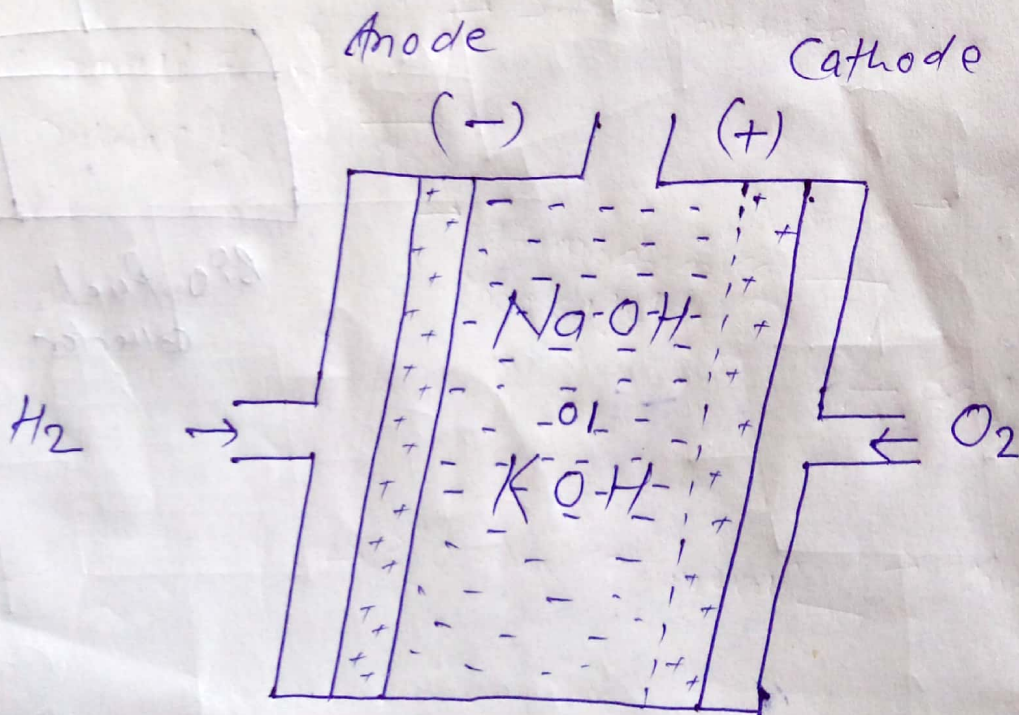
→ A fuel cell is a lot like a battery

The hydrogen enters the fuel cell at the anode

→ A chemical reaction strips the hydrogen molecules of their electrons and the atoms become ionized to form H^+

→ The electrons travel through wires to provide a current to do work.

→ The oxygen enters at cathode, usually forming the cells



↓ ↓
porous carbon electrode
impregnated with Pt

* Limitations :-

- High flammability leads to an explosive quality to the fuel - air mixture.
- Leak detection is difficult as it is odourless.
- Expensive and production quantity is limited.
- Lack of distribution infrastructure.