

# Fuel Cell

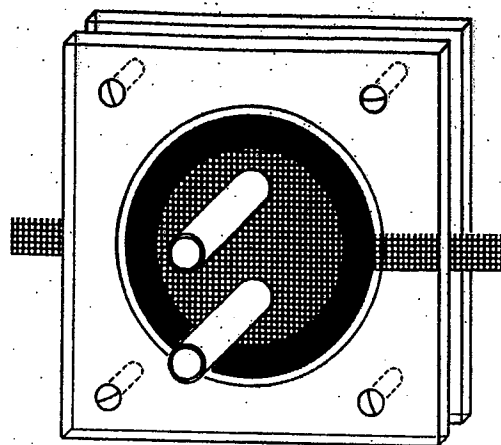
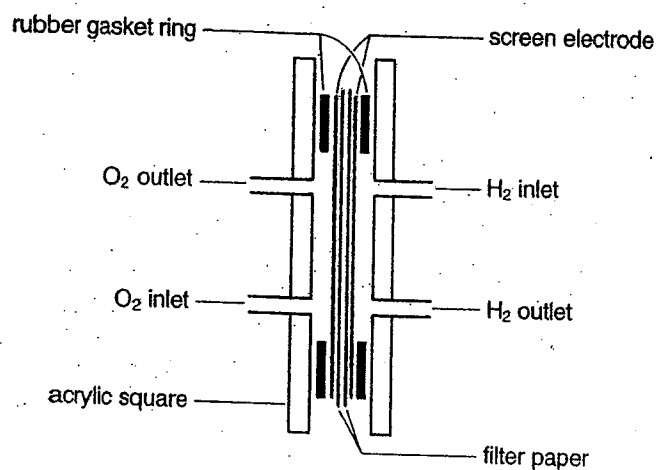
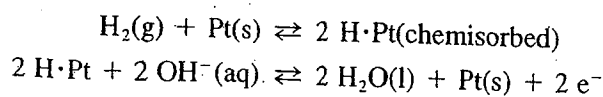


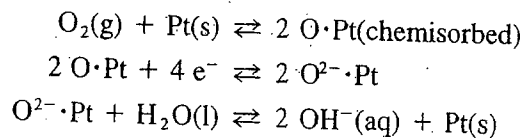
Figure 6. Assembled fuel cell.



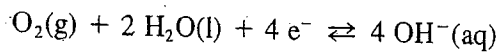
anode



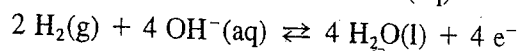
cathode



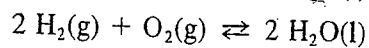
cathode:



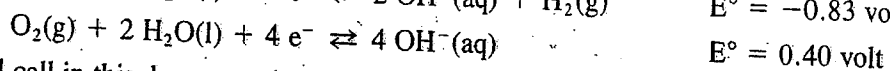
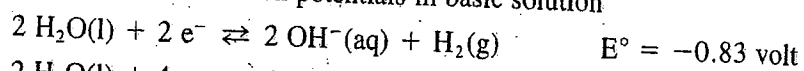
anode:



overall:



The standard cell potential ( $E^\circ$ ) of a hydrogen-oxygen fuel cell is 1.23 volts. This value is the sum of the standard reduction potentials in basic solution



The fuel cell in this demonstration develops a maximum potential of about 1 volt.