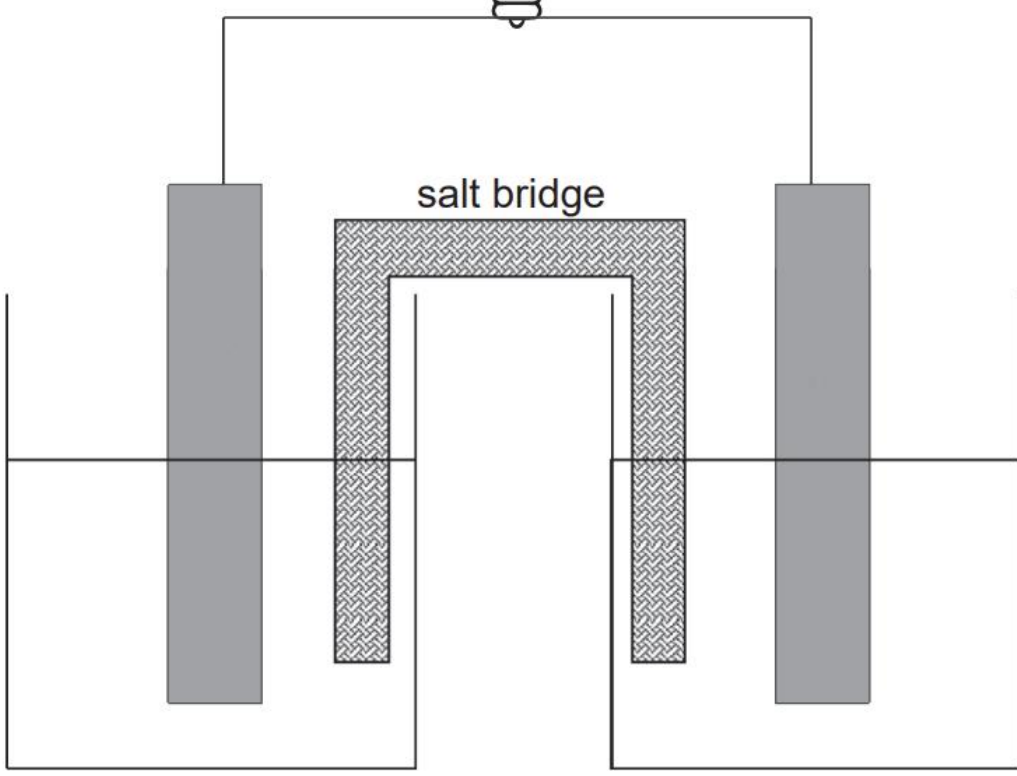




salt bridge

Half cell 1

Half cell 2



13. The salt bridge

- (a) provides the ions that are oxidised or reduced at the electrodes.
- (b) maintains the overall electrical and pH neutrality of the cell by facilitating the transfer of electrons and ions from one half cell to another.
- (c) provides the H_3O^+ and OH^- ions needed to maintain the pH neutrality of each half cell, preventing the build-up of electrical charge in the electrolytes.
- (d) provides ions and facilitates ion movement between the half cells to complete the electrical circuit.