

Storage and Fuel Cells

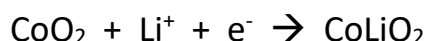
Storage Cells

These are cells (batteries) that can be recharged using mains electricity. The **lithium ion battery** used in mobile phones is an example.

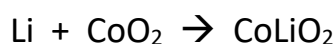
At the anode, Lithium atoms are oxidised



At the cathode a metal oxide such as cobalt (IV) oxide is reduced



Overall

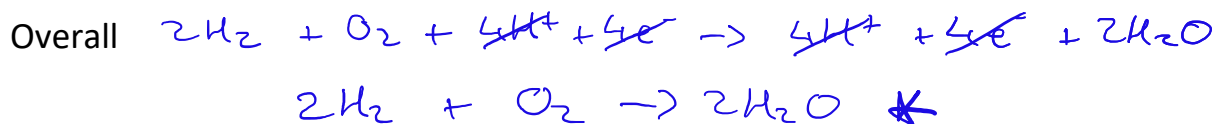
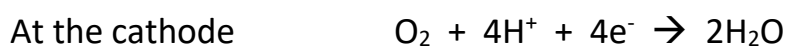
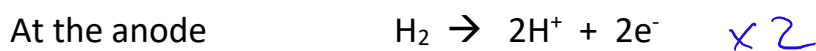


When the battery is recharging lithium ions gain electrons to once again become lithium atoms.

Fuel Cells

Fuel cells use the energy from the reaction of a fuel with oxygen to create a voltage. An example is the hydrogen, oxygen fuel cell.

In acidic conditions



In alkaline conditions

