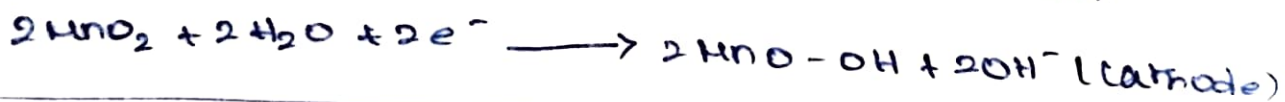
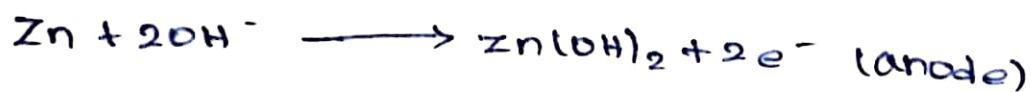


When current is rapidly drawn from the cell, due to the building up of products on the electrodes there is a drop in voltage.

alkaline Battery:-

An alkaline battery is an improved form of the dry cell, the electrolyte is a concentrated solution of potassium hydroxide (35-52%). As the electrolyte in this is an alkali, it is called alkaline battery.

The cathode is made from a mixture of manganese dioxide and carbon. The anode mix consists of alkaline electrolyte, zinc powder and small quantity of binding agent (starch) to immobilize the electrolyte and spread the zinc powder. The alkaline cell derives power from the oxidation of zinc anode and the reduction of O_2 cathode.



The emf of the cell is 1.5 volt. The advantages of an alkaline battery over a dry battery are,

1. As potassium hydroxide is used as an electrolyte, zinc does not readily dissolve.

Alkaline Battery

