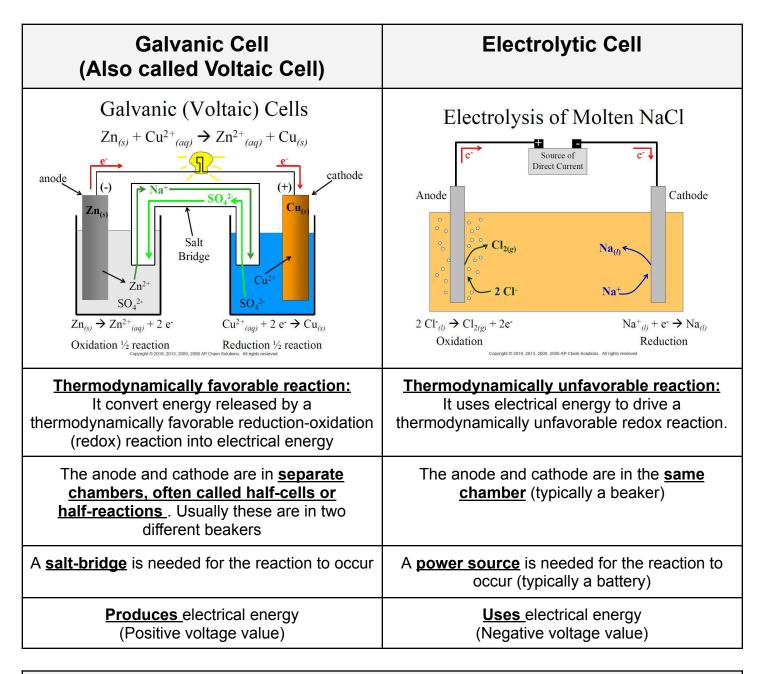
AP Chem - 9.7 and 9.8 - Electrochemical Cells Extra Reference Sheet

An electrochemical cell is a device that can convert energy released by a thermodynamically favorable reduction-oxidation (redox) reaction into electrical energy - OR - One that can use electrical energy to drive a thermodynamically unfavorable redox reaction.



Both Types of Cells

Oxidation occurs at the anode -- Reduction occurs at the cathode (Remember LEO the lion says GER? Lose of electrons is oxidation. Gain electrons is reduction.) Require ion flow in the cell for the reaction to occur (cations -> cathode, anions -> anode)