

## Electrochemical Cell: An Introduction

Samuel Jackson\*

ChemXpress, United Kingdom

\*Corresponding author: Samuel Jackson, ChemXpress, United Kingdom, Email: chemXpress@tradescience.org

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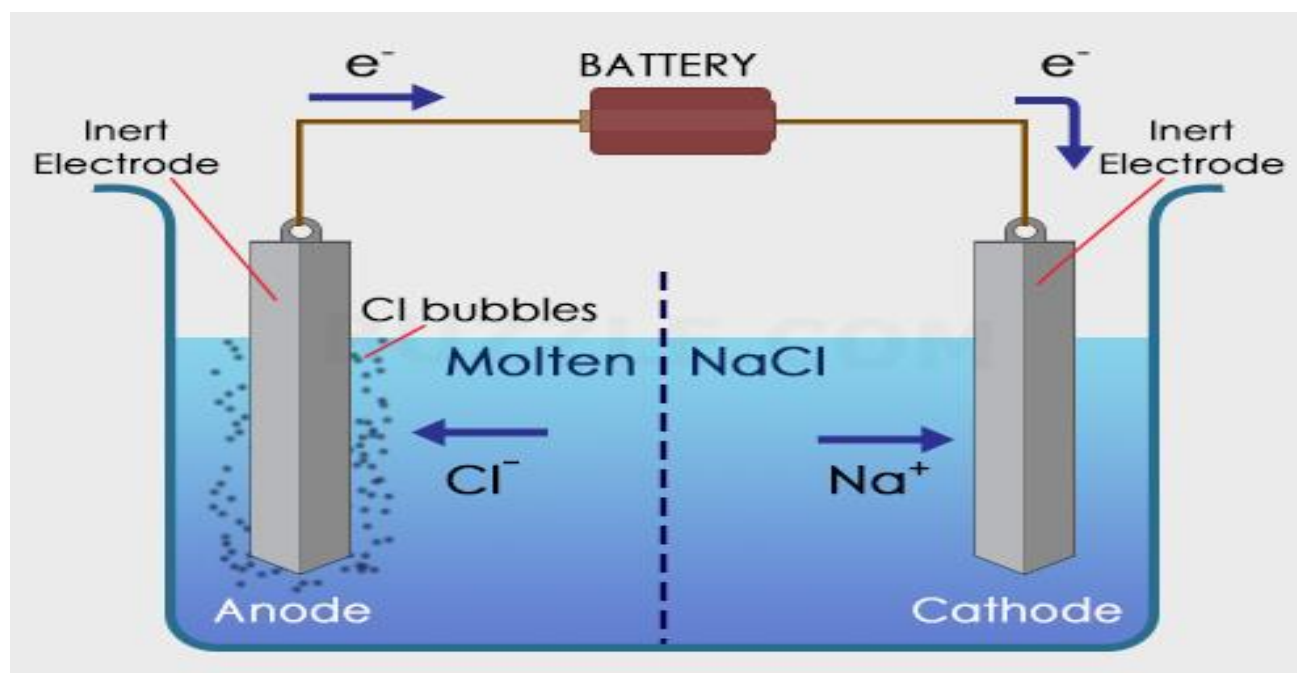


FIG.1. An Electrochemical cell uses electricity to drive a non-spontaneous reaction. An Electrochemical cell could be a quite chemical science cell. It's usually decompose chemical compounds, in an exceedingly method referred to as electrolysis-the Greek word lysis suggests that to interrupt up. An electric cell has three component parts: an electrolyte and a pair of electrodes (a cathode and an anode). The answer is typically a solution of water or various solvents throughout that ions unit of measurement dissolved. Liquified salts like chemical compound area unit electrolytes. Once driven by an external voltage applied to the electrodes, the ions among the answer unit of measurement drawn to an conductor with the choice charge, where charge-transferring (also referred to as faradaic or redox) reactions can turn up. Only with an external electrical potential (i.e. voltage) of correct polarity and adequate magnitude can an electrical cell decompose a usually stable, or inert compound among the solution.