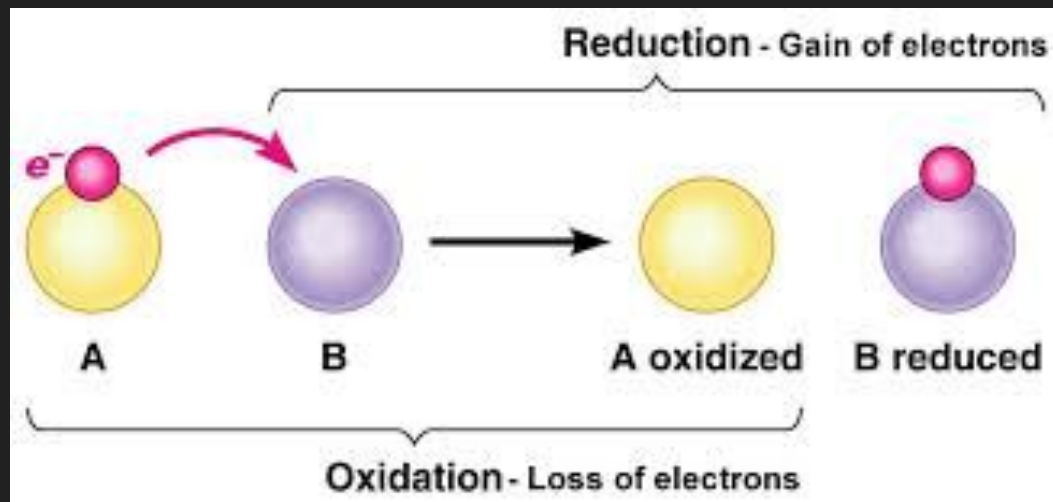


Unit 5: Electrochemistry

Electricity and RedOx



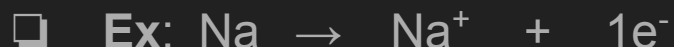
Electricity

- ❑ Electricity is defined as the flow of energy through the movement of electrons
- ❑ In chemistry, movement of electrons between atoms happens when forming positive and negative ions.
 - ❑ This process of moving electrons is also referred to as oxidation and reduction.

Oxidation and Reduction - RedOx

❑ Oxidation is the process of losing electrons

❑ When an atom **loses** electrons it forms a **positive** ion (cation)



❑ The electron is shown on the right side because it comes out of Sodium in the process

❑ Reduction is the process of gaining electrons

❑ When an atom **gains** electrons it forms a **negative** ion (anion)



❑ The electrons are shown on the left side because they are added to the oxygen in the process

❑ **Note: # of Electrons in equation must equal # of Electrons required to change the charge.**

RedOx Practice

