## Achieving Noble Gas Electron Configuration & Bonding

- In this powerpoint, electron shell filling will be reviewed.
- Recognize the appearance of Bohr's Model after an atom lose or gains electrons, or how it bonds to hydrogen.
- Atoms lose electrons (OIL, oxidation) or gain electrons (RIG, reduction) to achieve noble gas electron configuration



## Formation of Ions from Elements

Cation, X<sup>+</sup>, Formation Oxidation (OIL) oxidation is loss of electrons

Anion, X<sup>-</sup>, Formation Reduction (RIG) reduction is gain of electrons

This is a html hyperlink to a web QuickTime movie tutorial. If QuickTime movie player is not installed on your computer the link will not work.

http://www.sdmesa.sdccd.net/~dgergens/chem100/lewis\_dot/\_atomic\_e\_dot.html



## Achieving Noble Gas Electron Configuration

- Atoms lose electrons (OIL, oxidation) or gain electrons (RIG, reduction) to achieve noble gas electron configuration
- Recognize the appearance of Bohr's Model after an atom loses or gains electrons to form ions, or how it shares electron when it covalently bonds to hydrogen.





















