

CH 223 Chapter Eighteen Study Guide

- Identify the main group metals, metalloids and non-metals. Be able to predict properties for each of these classifications.
- Know the general periodic properties for each of the classifications listed above.
- Realize which reactions produce ionic compounds and which will probably produce covalent compounds.
- Be able to predict formulas for common ions using their electron configuration and oxidation number.
- Know where to find information regarding a series of main group elements, including bonding character (ionic or covalent), color, solubility ("like attracts like"), simple reaction chemistry, etc.
- Realize the importance of chemicals in the daily lives of human beings. Understand how the chemistry relates to the usage of the product.
- Be able to solve and understand the assigned problems in problem set #6.