## Chapter 5 Goals

Major Goals of Chapter 5:

1. Finding the exact location for valence electrons (outermost electrons)

2. Discuss the octet rule and why "8" is a magic number when Draw Lewis Dots

3. Define what an ionic substance noting that atoms and compounds have no charge.

4. Measuring a charge balance between cations & anions in a compound.

5. Memorizing ion names a) the "---ide be ones" and b) "where'd my ---ates"

6. Writing correct ionic compound formulas.

Before viewing this powerpoint, read the Chapter 5 Review:

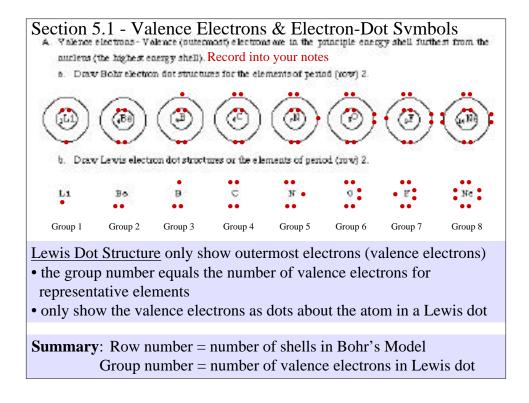
5.1 Valence Electrons & Electron-Dot Symbols

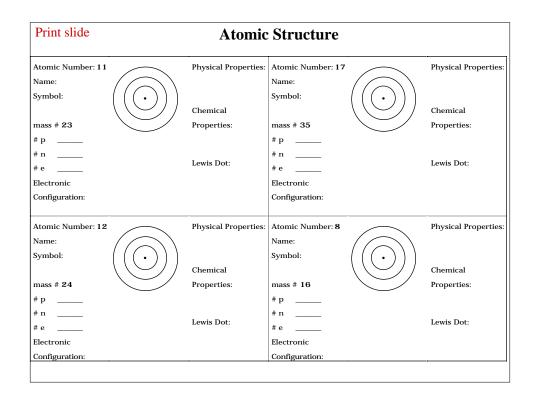
5.2 Octet Rule & Ions

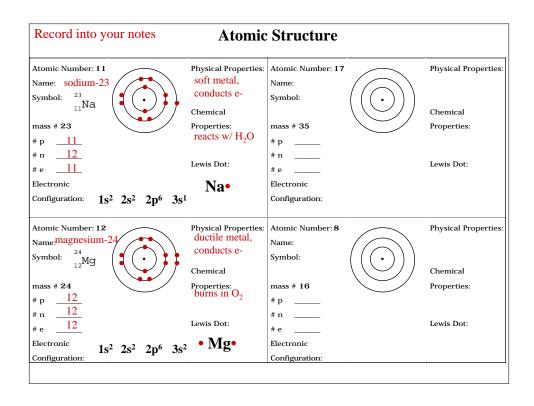
5.3 Ionic Compounds

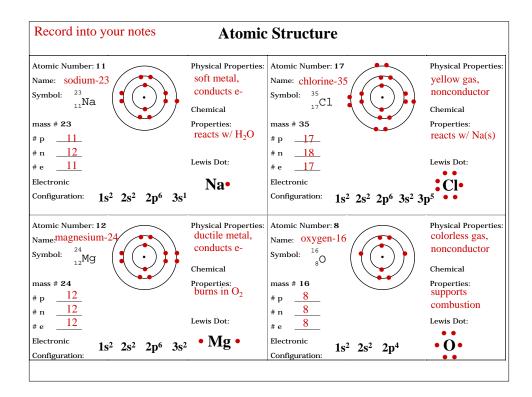
5.4. Naming & Writing Ionic Formulas

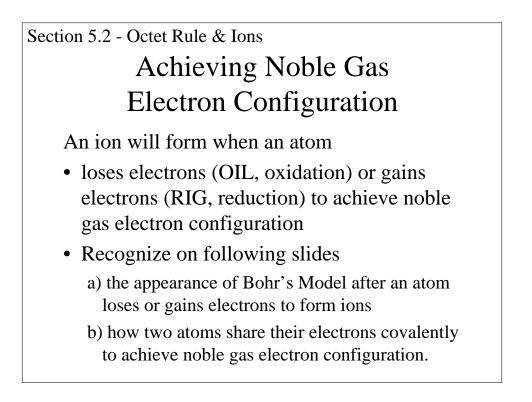
5.5 Polyatomic Ions

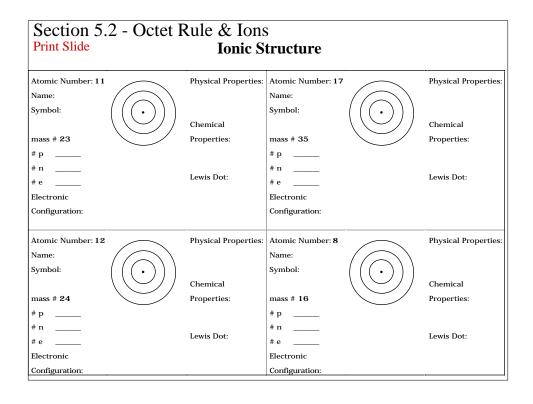


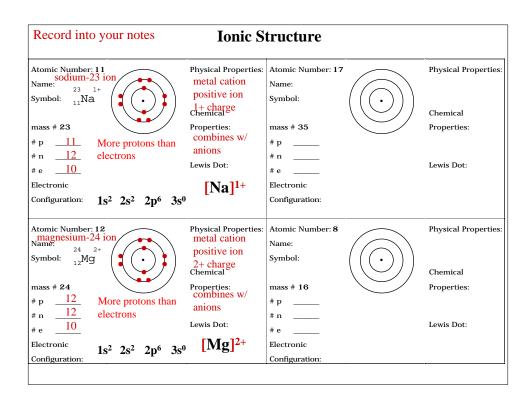


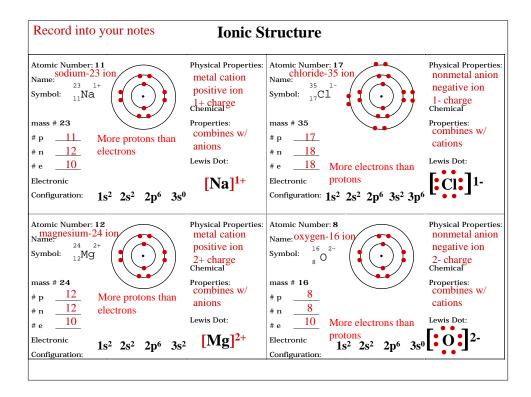


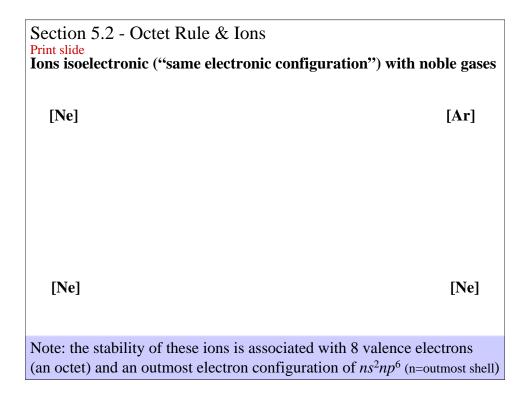


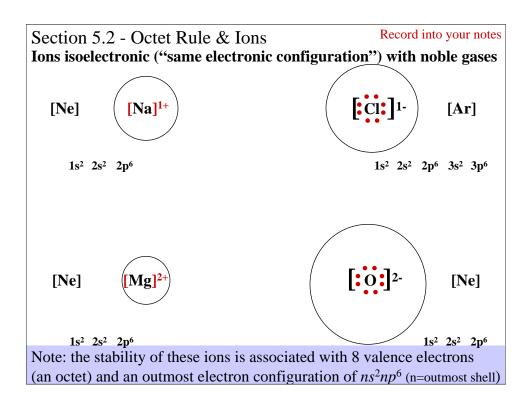


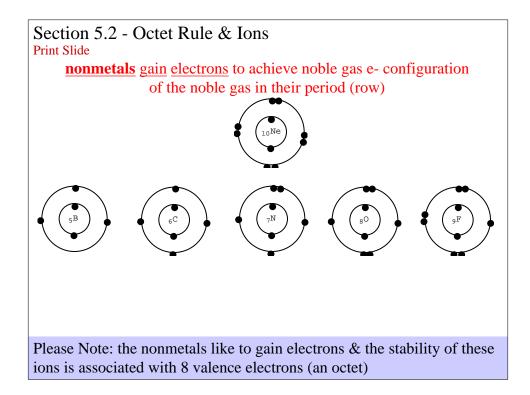


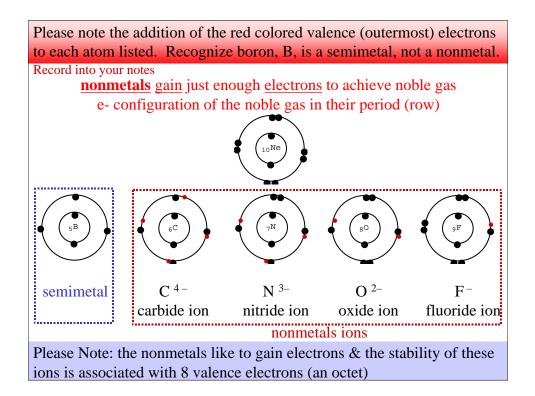


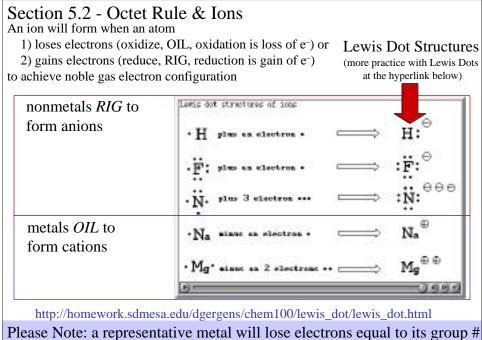




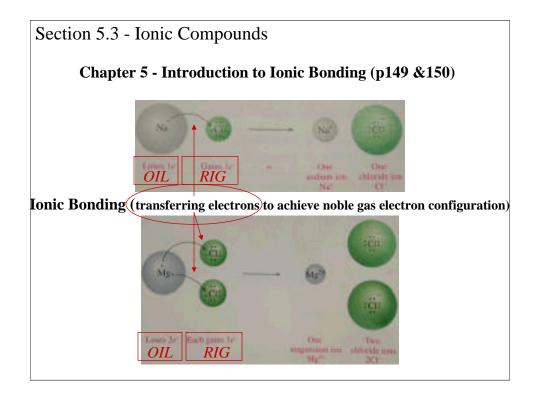


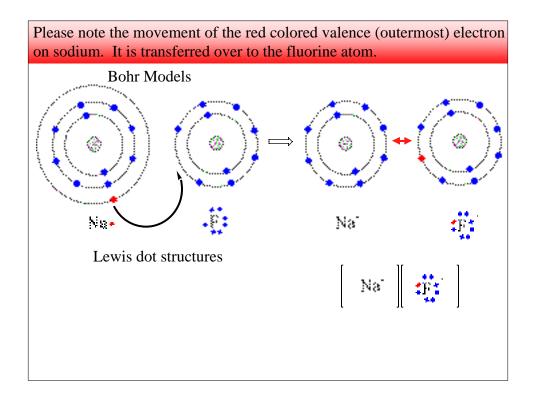


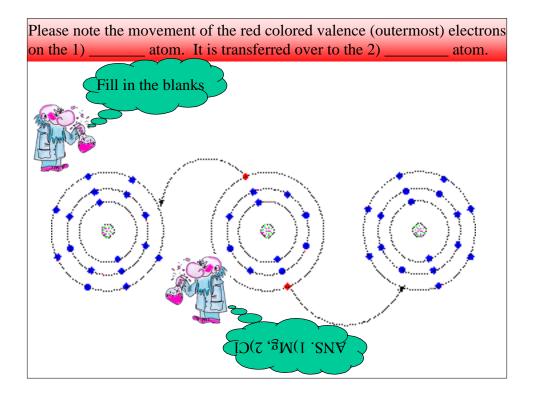


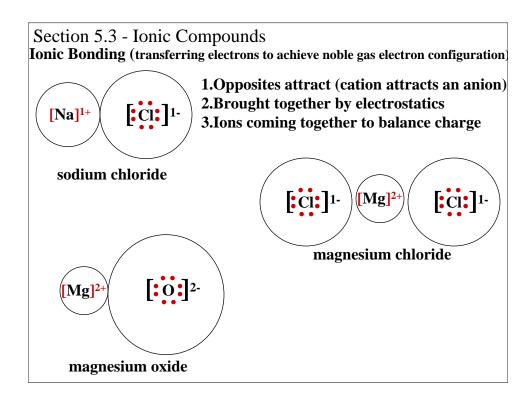


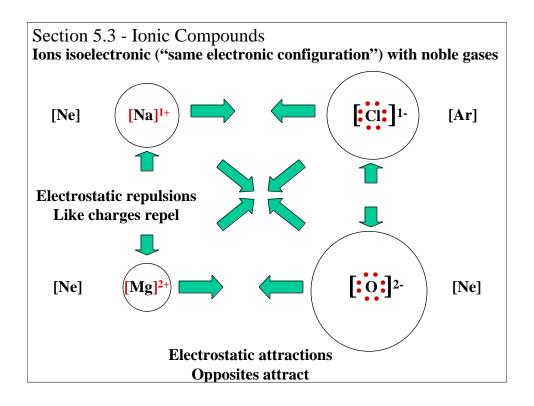
and as a cation its Lewis dot structure is just the ion with positive charge

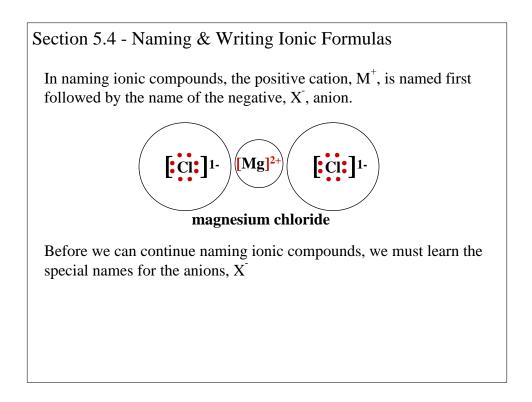


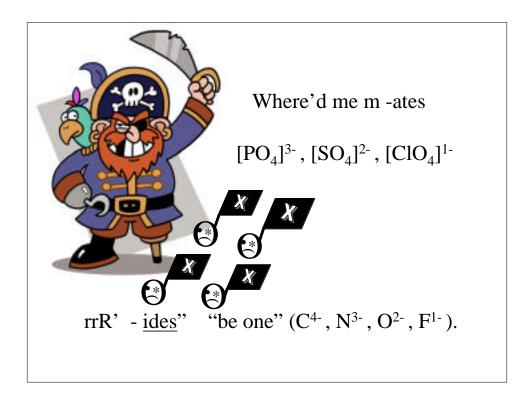


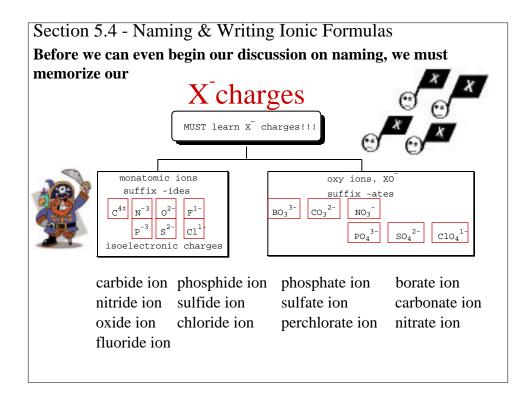


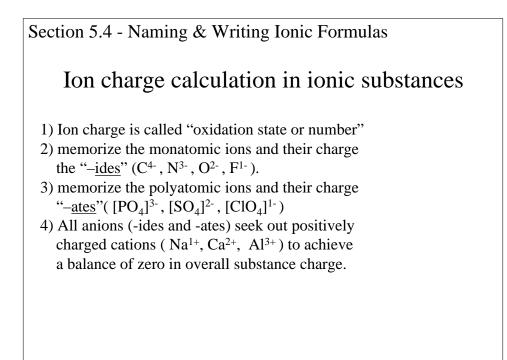


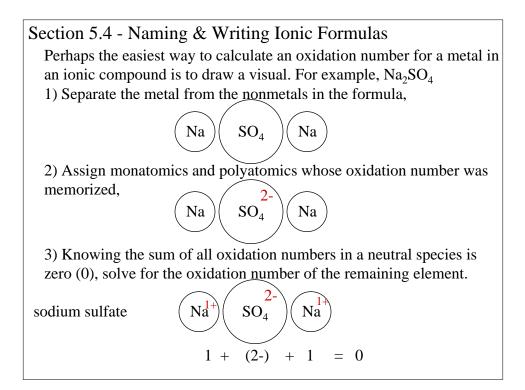


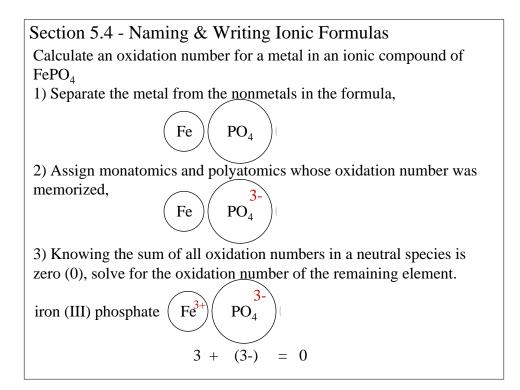


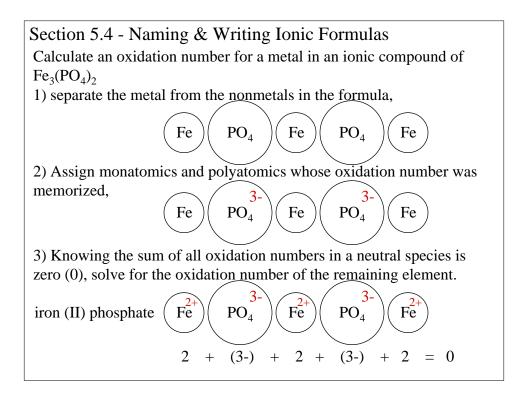


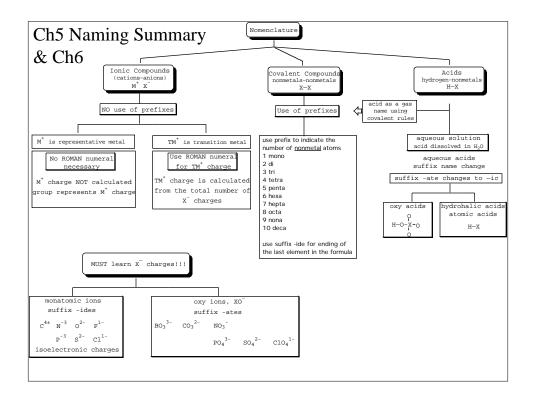


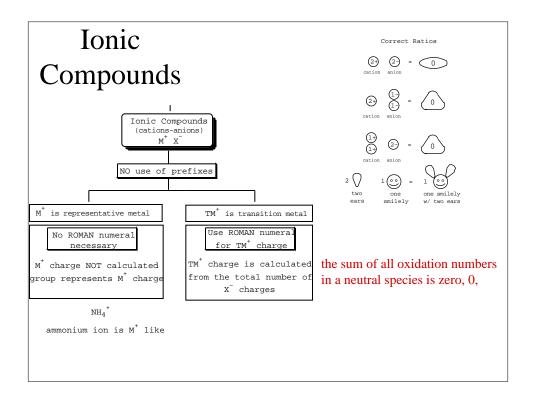


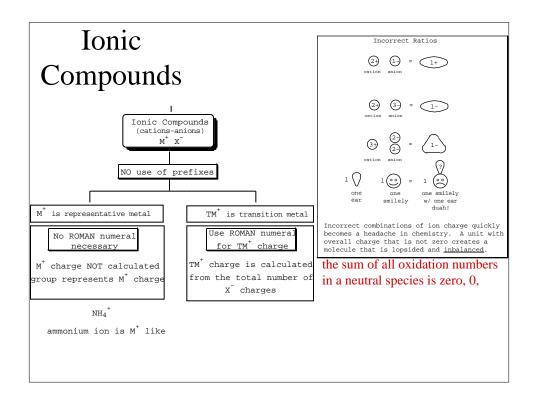


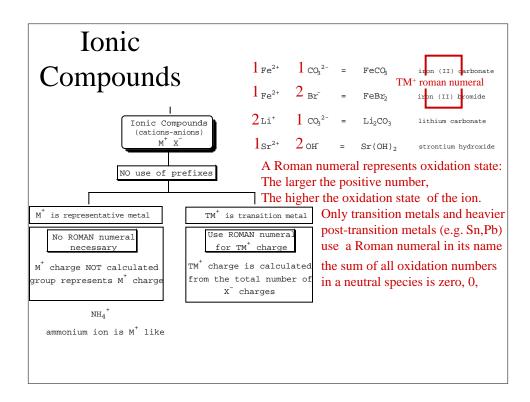


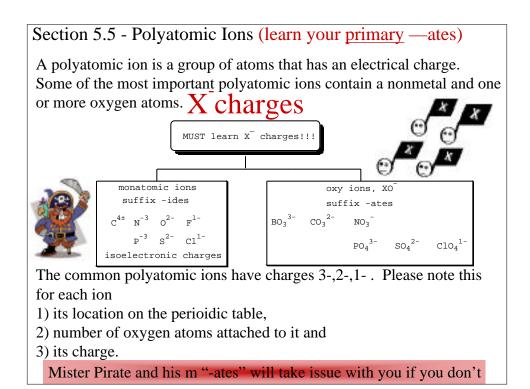


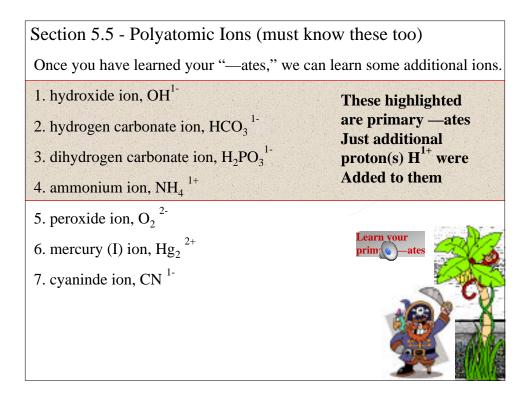


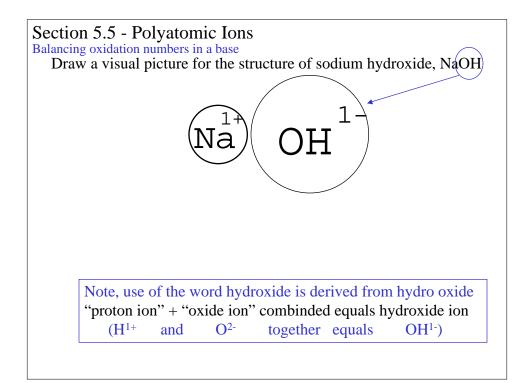


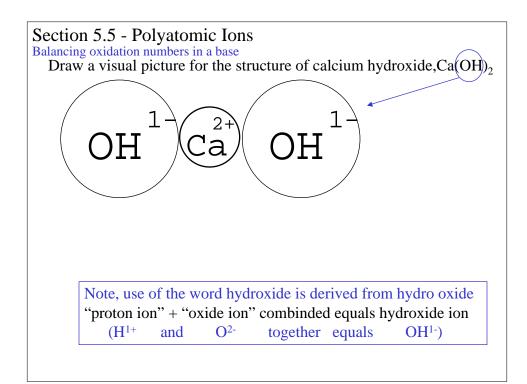


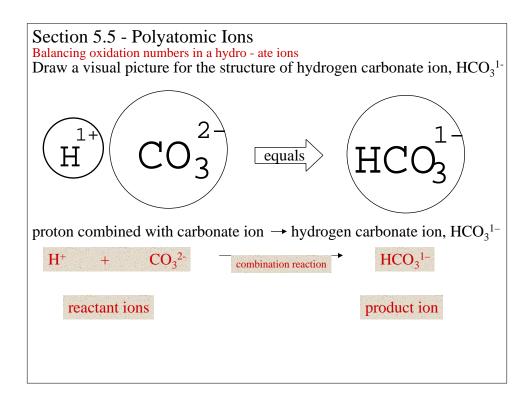


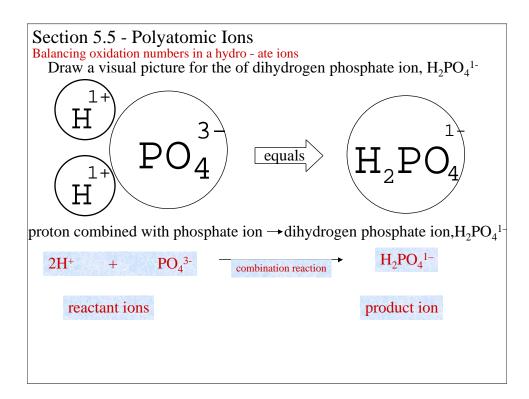


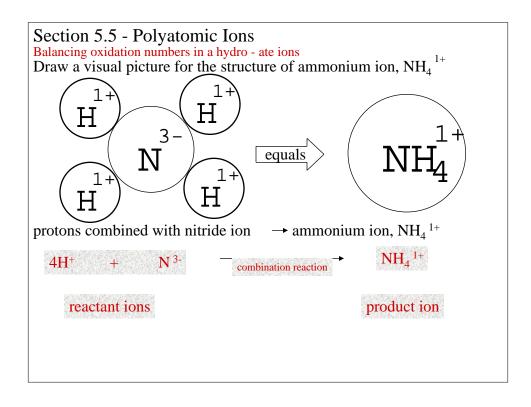


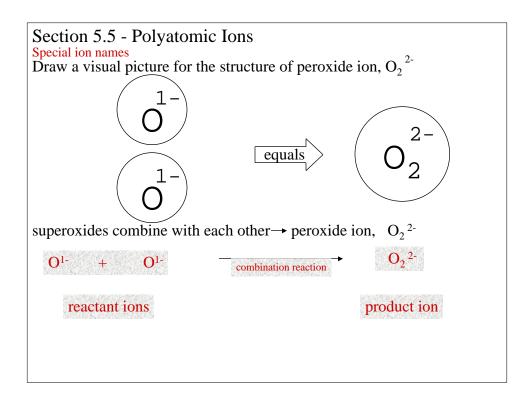


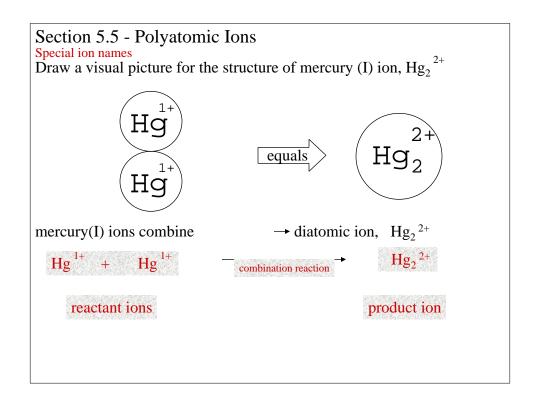


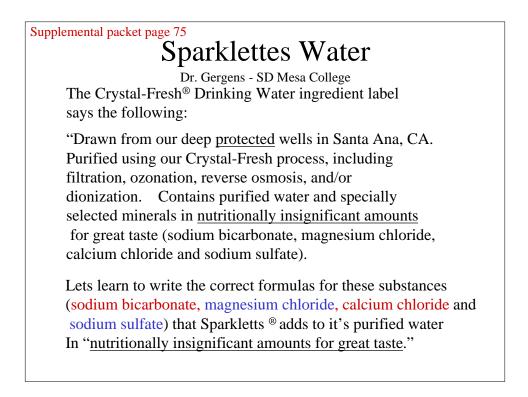




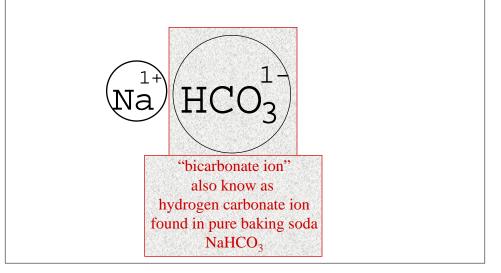


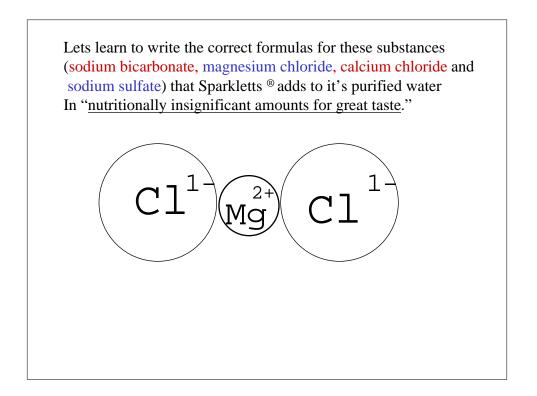






Lets learn to write the correct formulas for these substances (sodium bicarbonate, magnesium chloride, calcium chloride and sodium sulfate) that Sparkletts <sup>®</sup> adds to it's purified water In "nutritionally insignificant amounts for great taste."





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