

9/3/2009

Home assignment: - Chapter 2 for PART 1 - to be completed by the end of next week Sept 12

Chapter 2. – Read the Ch.2 up to and including section 2.7

Recommended problems: on pp. 78-85: 2.XX,

where XX is:

8, 17, 22, 35, 37, 39,

43, 45, 51, 55,

57, 61,

103, 105, 129 (harder)

(Remember, the blue ones have solutions in the end of the book – work out your own solution first, THEN check the book solution. Be sure you understand it.)

Some of the important terms (do it in writing if needed):

law of multiple proportions, element, atom, nucleus and its composition, atomic mass, isotopes, periodic table: groups and periods, ions, molecular formula, ionic compound, binary compound.

developing skills:

1. determining nuclide symbols from given information about neutrons, protons, electrons; elements names and symbols (elements up to #18 - memorize!)
2. calculating atomic weight from given isotopic composition and fractional abundances
3. writing ionic formula from ions and the name for the compounds formed (binary only).
4. determining formula/name for binary compounds