Homework

p.258 #8,9 p. 262 #10,11

b)
$$O^{2-}$$
 (anion) - oxide ion

$$Sn^{2+}$$
 Cl^{-} $SnCl_2$

Multi-Valent Metals

- can form more than one type of ion (always positive).
- include transition metals and some representative metals.

Ex.
$$Fe^{+3}$$
 and Fe^{+2} Pb⁺² and Pb⁺⁴

In the periodic table the most common ion is usually listed in the key.

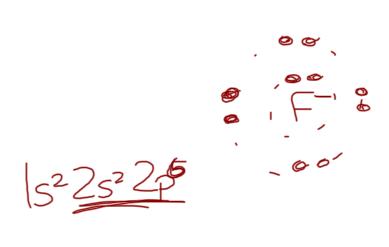
In naming multi-valent compounds (from a formula):

- [a] name the two ions
- [b] place the charge of the metal ion in roman numerals after the metal ion.
- [c] end the anion with an -ide suffix.

Type II Binary Ionic Compounds

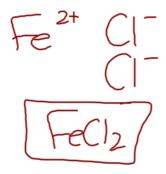
Formula to Name:

Ex. Name to Formula:

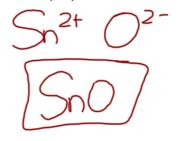


Write the chemical formula for the following ionic compounds:

a) iron (II) chloride



b) tin (II) oxide



c) lead (II) oxide

d) iron (III) sulfide

Write the name for the following ionic compounds:

e)
$$CuCl_2$$
 Cl^2
 Cl^2

Binary Ionic Compounds Type II

Worksheet

