

CLASS NOTE  
LESSON 92: NOMENCLATURE

Lesson 92 Nomenclature Type II

text 4.1

Generally 'd' block elements can form more than 1 type of ion.

Binary Compds  $\rightarrow$  2 different elements

Type II different from I by use of ( )

Example  $\downarrow$  Roman numerals

Iron (III)  $\text{Fe}^{3+}$  "Iron three"

iron (II)  $\text{Fe}^{2+}$  "Iron two"

Cu (I)  $\text{Cu}^+$  "Copper one"

Cu (II)  $\text{Cu}^{2+}$  "Copper two"

Stock system

notice the ( ) shows the number of electrons lost.

Roman numerals are never used by anions