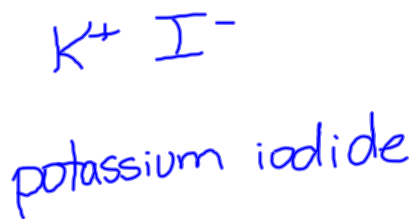


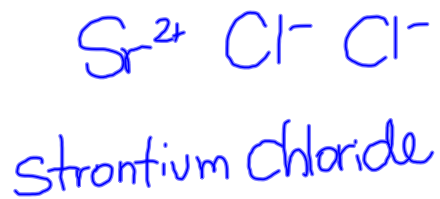
Warm up

Write the chemical formula or name for the following ionic compounds:

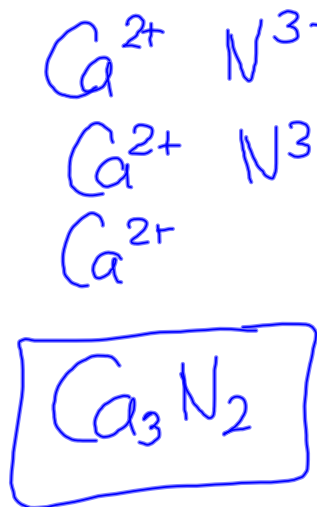
a) KI



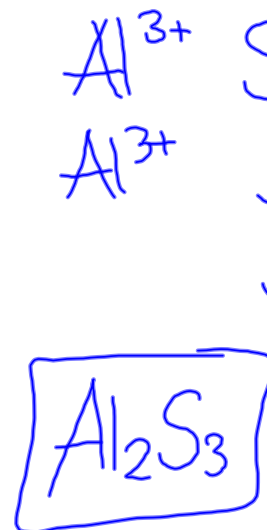
b) $SrCl_2$

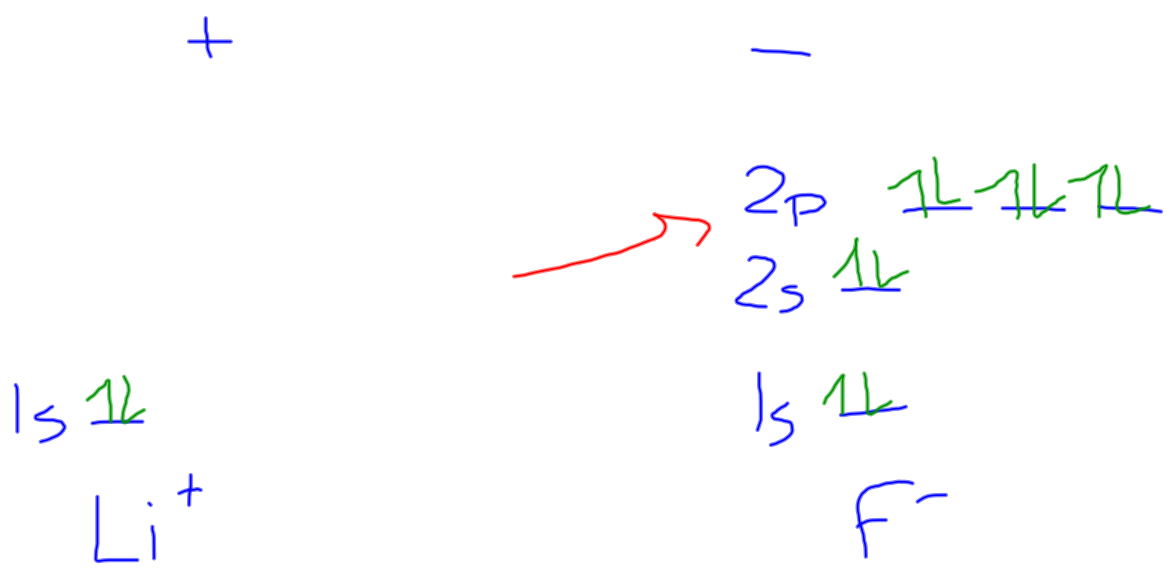


c) calcium nitride



d) aluminum sulfide





Homework

Write the chemical formula or name for the following ionic compounds:

a) magnesium oxide



b) lithium bromide



c) KI

d) SrCl_2

Homework

p.258 #8,9

p. 262 #10,11

b). O^{2-} anion oxide ion

9. a) NH_4^+

b) Sn^{2+}

c) CrO_4^{2-}

d) NO_3^-

Multi-Valent Metals

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



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

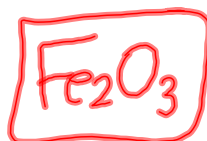
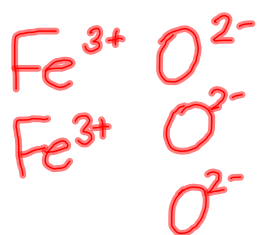
In naming multi-valent compounds (from a formula):

- [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 (Multivalent)

Ex. Name to Formula:

iron (III) oxide

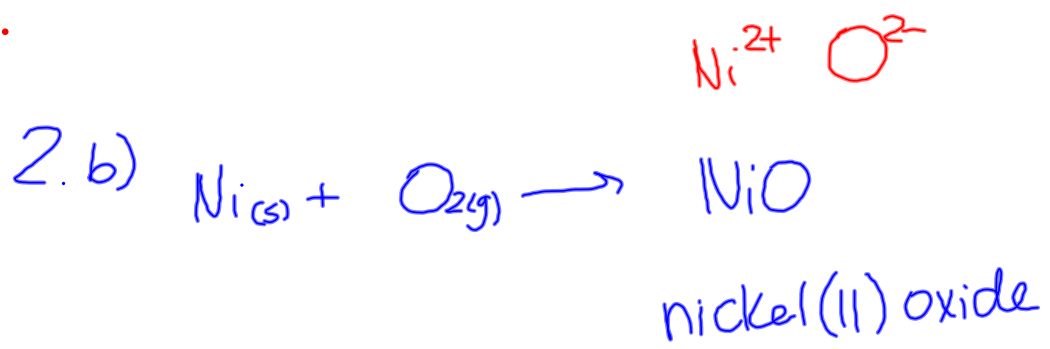


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Formula to Name :



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Binary Ionic Compounds Type II

Worksheet #1,3