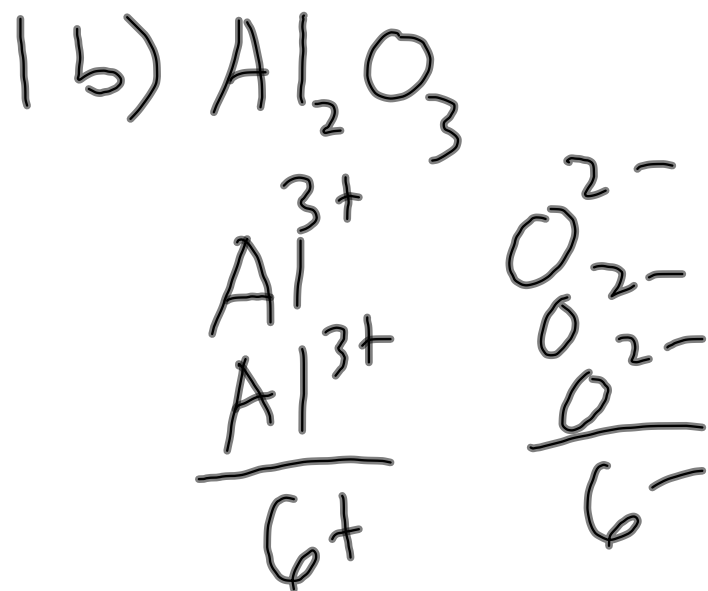
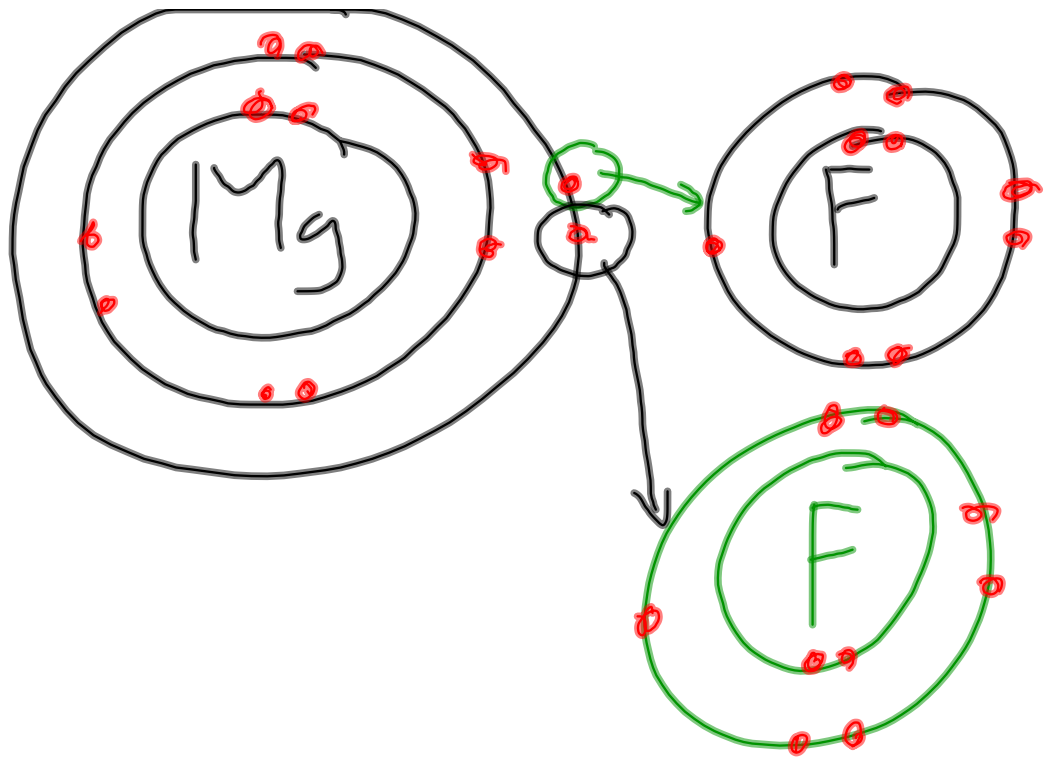
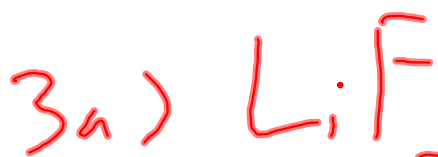


Check Homework - #1-6







lithium fluoride



calcium bromide

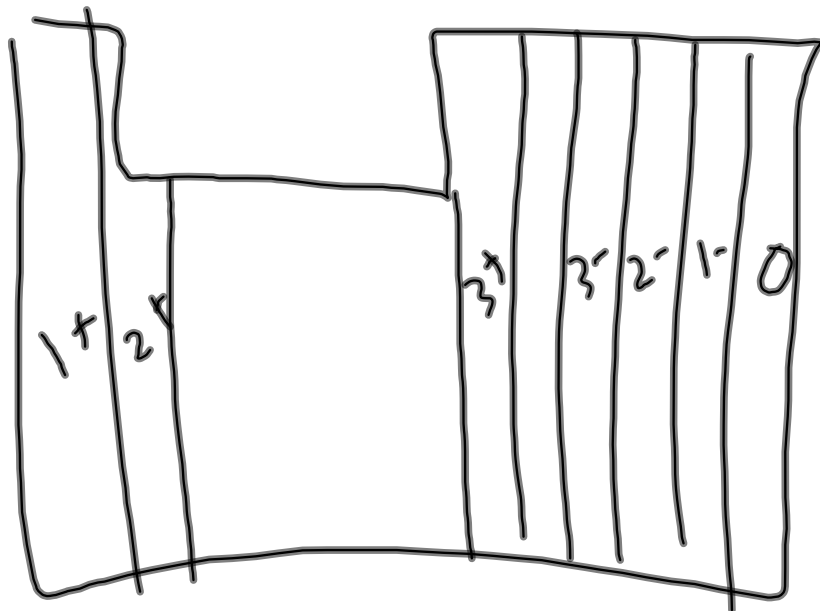


sodium nitride



aluminum nitride





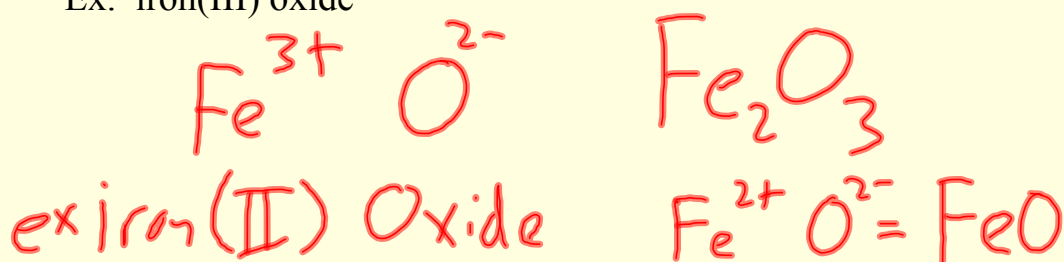
5. a) NaI
b) BeF_2
c) MgO
d) Al_2S_3

- 6a) potassium
chloride
b) sodium
phosphide
c) calcium
fluoride

Multivalent Metals

- some metals have more than one charge they are called **multi-valent ions**
- these elements are found in the middle block of the periodic table
- the charge that is to be used is indicated in brackets with a Roman numeral (Table 2 p. 195)

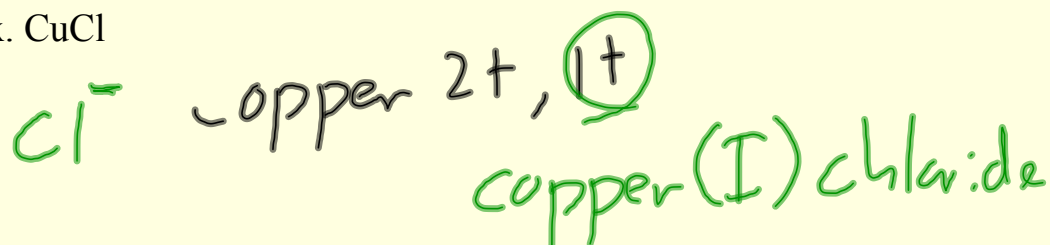
Ex. iron(III) oxide



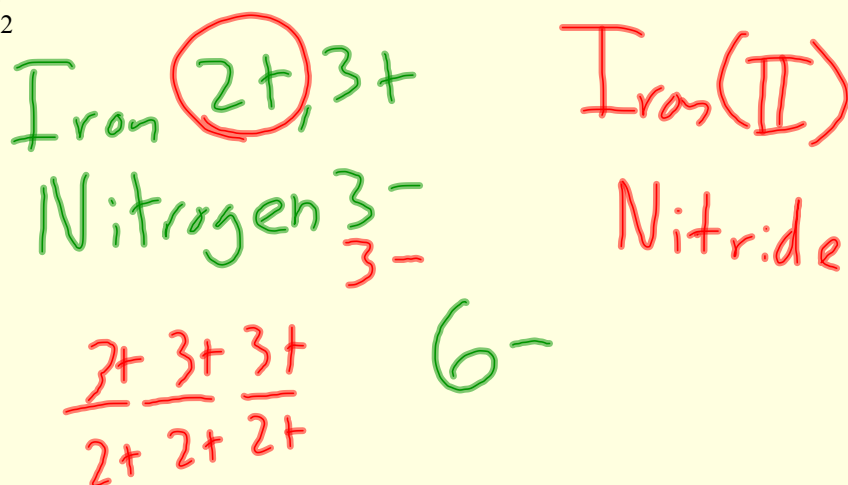
Naming Ionic Compounds from Formula (multivalent ions):

- Identify positive ion (metal) and negative ion (nonmetal)
- If metal is multivalent, determine its charge from the formula (balance total positives and negatives) and include in name

Ex. CuCl



Ex. Fe₃N₂

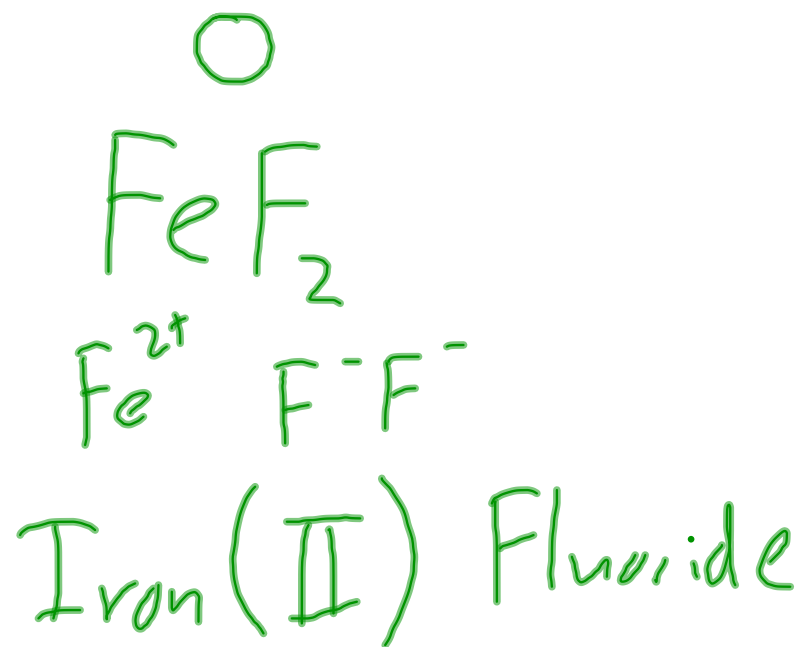


Fe 3+ 2+

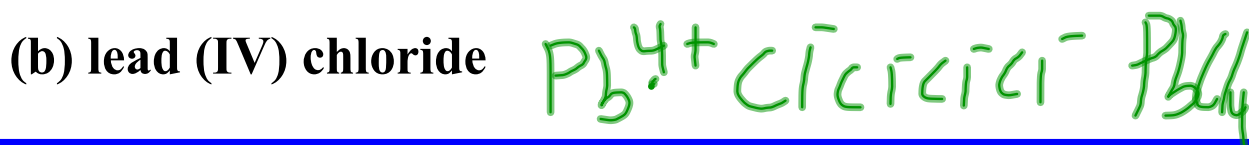
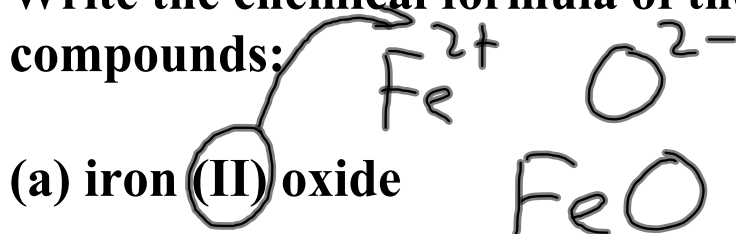
Iron Fluoride

Fe²⁺, Fe³⁺ F⁻

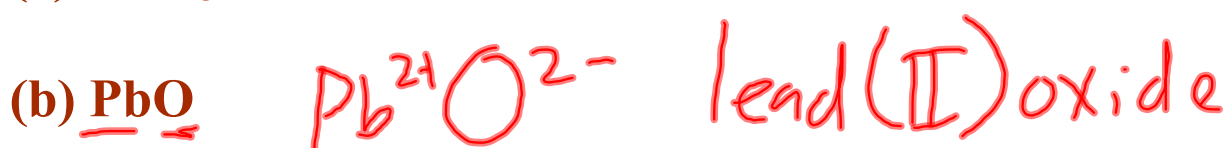
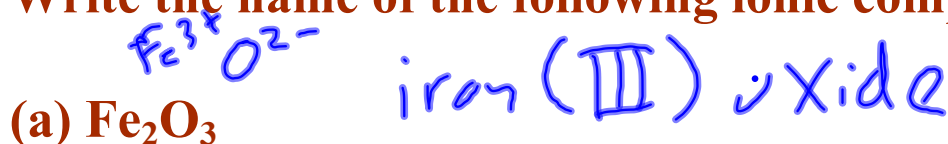
FeF₂



Write the chemical formula of the following ionic compounds:



Write the name of the following ionic compounds:



Homework

p.195 #7-10

Ionic Compounds Sheet