

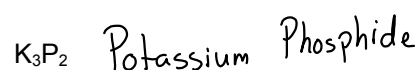
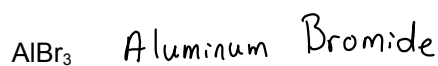
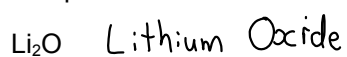
Naming Ionic Compounds

The name of an ionic compound is the name of the metal followed by the name of the nonmetal ion (usually just the name of the element with the ending changed to *-ide*).

Table 1 Names and Ionic Charges of Some Nonmetals

Name of element	Symbol	Ionic charge	Name in compound
fluorine	F	1-	fluoride
chlorine	Cl	1-	chloride
bromine	Br	1-	bromide
iodine	I	1-	iodide
oxygen	O	2-	oxide
sulfur	S	2-	sulfide
nitrogen	N	3-	nitride
phosphorus	P	3-	phosphide

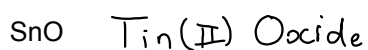
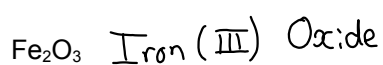
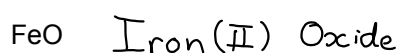
Examples



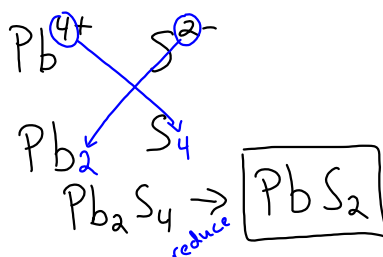
Names and Formulas for Atoms with More Than One Ionic Charge

Table 2 Names and Multiple Ionic Charges of Some Metals

Name of element	Symbol	Ionic charges	Roman numeral
copper	Cu	1+, 2+	I, II
iron	Fe	2+, 3+	II, III
lead	Pb	2+, 4+	II, IV
tin	Sn	2+, 4+	II, IV



Lead (IV) Sulfide



Iron (III) Phosphide

Attachments

Balancing Chemical Equations.jar

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