

Lesson 14: Nomenclature of Inorganic Compounds

text: 89-90, 110-113, 138-140

know: Common cations and anions -handouts

what to know:

-classification of inorganic compounds, sup-12

-how to write formulas from names and names from formulas for inorganic compounds

Nomenclature Worksheet

Name the following:

Na_2O	FeS	$\text{Bi}(\text{OH})_3$
N_2O_5	H_3PO_4	KClO
$\text{Sn}(\text{NO}_3)_4$	Al_2S_3	ZnSO_3
Hg_2Cl_2	$\text{AgC}_2\text{H}_3\text{O}_2$	$(\text{NH}_4)_2\text{CO}_3$
HBrO_3	SiCl_4	H_2S
Al_4C_3	$\text{Fe}(\text{OH})_2$	CsHCO_3
$\text{Co}_2(\text{Cr}_2\text{O}_7)_3$	Mg_3N_2	BaHPO_4
P_2O_3	CrO_3	Cl_2O_7
$\text{Hg}(\text{MnO}_4)_2$	H_2SO_4	CaH_2
$\text{Cd}(\text{CN})_2$	MnO_2	CuI_2
H_2SO_3	CH_4	$\text{Sn}(\text{ClO})_4$
NiCrO_4	CoCO_3	HI

Write formulas for the following:

lithium nitrate	nitrogen trichloride	gold (III) fluoride
silicon dioxide	aluminum carbonate	ammonium acetate
cobaltic sulfate	calcium chlorate	antimony (V) hydrogen sulfate
periodic acid	cadmium hydroxide	ferric chloride
ammonium hydrogen sulfite	iodine bromide	magnesium hydroxide
silver bromite	zinc dichromate	stannous oxide
sulfur hexafluoride	nickel nitrite	lead (IV) permanganate
nitrous acid	cuprous sulfide	potassium hydroxide
sodium dihydrogen phosphate	ammonium bicarbonate	carbon disulfide