

Work Sheet for Nomenclature **Answers****1. Write the chemical formula for each of the following substances:**

magnesium chloride	MgCl_2	aluminum acetate	$\text{Al}(\text{C}_2\text{H}_3\text{O}_2)_3$
lithium phosphide	Li_3P	silicon tetraiodide	SiI_4
diphosphorus pentoxide	P_2O_5	copper (I) sulfate	Cu_2SO_4
sulfuric acid	H_2SO_4	barium perchlorate	$\text{Ba}(\text{ClO}_4)_2$
ammonium nitrite	NH_4NO_2	manganese (IV) phosphate	$\text{Mn}_3(\text{PO}_4)_4$
calcium fluoride	CaF_2	nitrogen tribromide	NBr_3
sulfur hexachloride	SCl_6	hydrobromic acid	HBr (aq)
titanium (IV) nitrate	$\text{Ti}(\text{NO}_3)_4$	lithium peroxide	Li_2O_2

2. Write the name for each of the following substances:

SeCl_6	selenium hexachloride	$\text{K}_2\text{Cr}_2\text{O}_7$	potassium dichromate
Na_2O	sodium oxide	CoHPO_4	cobalt (II) hydrogen phosphate
$\text{Fe}(\text{OH})_3$	iron (III) hydroxide	PBr_5	phosphorus pentabromide
HCl	hydrogen chloride	BCl_3	boron trichloride
$\text{Sr}(\text{C}_2\text{H}_3\text{O}_2)_2$	strontium acetate	H_3PO_4	phosphoric acid
Na_2CO_3	sodium carbonate	N_2O_3	dinitrogen trioxide
Ba_3P_2	barium phosphide	$(\text{NH}_4)_2\text{SO}_3$	ammonium sulfite
S_8	sulfur	$\text{HC}_2\text{H}_3\text{O}_2$	acetic acid