Name_____

WP Unit 3 Practice: Compound Naming

Part A: Name the following binary compounds. If there is a transition element, use the stock naming system (i.e., using Roman numerals).

$NaCl$ _____

K_2S _____

CaO _____

$AlBr_3$ _____

FeI_2 _____

Fe_2O_3 _____

PCl_3 _____

PCl_5 _____

NO_2 _____

CuS _____

Cu_2S _____

S_2Cl_2 _____

$TiCl_4$ _____

Part B: Write the formulas for the following binary compounds.

calcium oxide _____ sodium selenide _____

Magnesium nitride _____ Lithium bromide _____

Cesium chloride _____ Sulfur hexafluoride _____

Barium sulfide _____ Mercury(II) sulfide _____

Dinitrogen tetraoxide _____ Iron(III) oxide _____

Tin(II) iodide _____ Tin(IV) oxide _____

Write the formulas for each of the following acids:

$HCl_{(aq)}$ _____

$HNO_{3(aq)}$ _____

$HClO_4$ (aq)_____

H_2S (aq) _____

$HBrO_2$ (aq) _____

HPO_3 (aq) _____

$HClO_3$ (aq) _____

Write the names for each of the following acids:

sulfuric acid _____

carbonic acid _____

Hydrobromic acid _____

Nitric acid _____

Acetic acid_____