Chemistry

Monatomic Ions Name_____

Binary Ionic Compounds

1. For each of the following elements, write the name and symbol of the ion that would be formed.

a) calcium

b) iron (III)

c) phosphorus

d) sulfur

e) rubidium

f) selenium

2. Write the name of each of the following ionic compounds.

a) $SrCl_2$

b) $AlCl_3$

c) Zn_3P_2

d) LiBr

e) Fe_2O_3

f) KCl

3. Write the chemical formula for each of the following ionic compounds.

a) cesium sulfide

b) strontium phosphide

c) calcium bromide

d) potassium iodide

e) barium iodide

f) sodium fluoride

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Polyatomic Ions Name_____

Ternary Compounds

1. For each of the following ions, write the symbol for the ion.

a) phosphate

d) carbonate

b) nitrite

e) nitrate

c) sulfate

f) hydroxide

2. Write the name of each of the following ionic compounds.

a) $SrCO_3$

d) $LiBrO_3$

b) $Al_2(SO_4)_3$

e) $Fe(NO_3)_3$

c) KOH

f) K_3PO_4

3. Write the chemical formula for each of the following ionic compounds.

a) cesium phosphate

d) potassium nitrate

b) strontium chromate

e) ammonium hydroxide

c) calcium iodate

f) sodium silicate

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