

Chemistry

Monatomic Ions

Binary Ionic Compounds

Name _____

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

a) calcium

d) sulfur

b) iron (III)

e) rubidium

c) phosphorus

f) selenium

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

a) SrCl_2

d) LiBr

b) AlCl_3

e) Fe_2O_3

c) Zn_3P_2

f) KCl

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

a) cesium sulfide

d) potassium iodide

b) strontium phosphide

e) barium iodide

c) calcium bromide

f) sodium fluoride

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Chemistry
Polyatomic Ions
Ternary Compounds

Name _____

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) $\text{Al}_2(\text{SO}_4)_3$

e) $\text{Fe}(\text{NO}_3)_3$

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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