

Name:

KEY

Per:



## Writing Chemical Formulas (Review)

Write the correct chemical formula for each of the given substances.

### 1. Write the correct formulas for the following Binary Ionic Compounds.

a) Potassium fluoride



b) Lithium oxide



c) Barium iodide



d) Magnesium sulfide

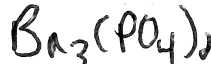


### 2. Write the correct formulas for the following polyatomic ion compounds.

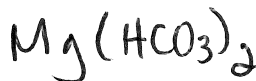
e) Sodium sulfate



f) Barium Phosphate



g) Magnesium hydrogen carbonate



h) Aluminum chromate



### 3. Write the correct formulas for these compounds, which contain an element with multiple positive charges.

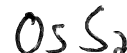
i) Lead(II) iodide



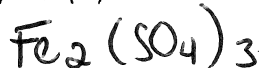
j) Copper(I) nitrate



k) Osmium(IV) sulfide



l) Iron(III) Sulfate



m) Chromium(V) Chloride



n) Cobalt(III) phosphide

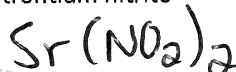


### 4. Write the correct formulas for these compounds.

o) Palladium(II) sulfide



p) Strontium nitrite



q) Calcium iodide



r) Lithium permanganate



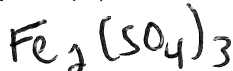
s) Platinum(IV) oxide



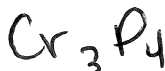
t) Barium chlorate



u) Iron(III) Sulfate



v) Chromium(VI) phosphide



w) Manganese(III) oxide

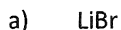


# International Union of Pure and Applied Chemistry

## IUPAC Names from Chemical Formulas (Review)

Write the correct IUPAC names for each of the following compounds.

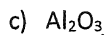
5. Name the following binary ionic compounds.



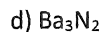
lithium bromide



silver oxide

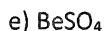


aluminum oxide

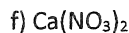


barium nitride

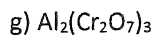
6. Name the following polyatomic ion compounds.



beryllium sulfate



calcium nitrate



aluminum dichromate



ammonium sulfide

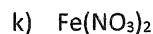
7. Name the following compounds containing an element with multiple positive charges.



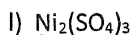
copper (II) chloride



titanium (IV) oxide



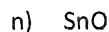
iron (II) nitrate



nickel (III) sulfate



gold (I) oxide



tin (II) oxide



iron (II) oxide



chromium (VI) fluoride



manganese (III) nitride

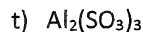
8. Name the following substances.



sodium phosphide



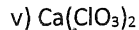
iron (III) sulfide



aluminum sulfite



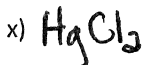
manganese (II) oxide



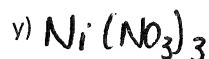
calcium chlorate



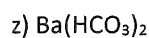
lead (II) sulfate



mercury (II) chloride



nickel (III) nitrate



barium hydrogen carbonate