

Solutions for the Naming Ionic Compounds Practice Worksheet

- ammonium chloride
- iron (III) nitrate
- titanium (III) bromide
- copper (I) phosphide
- tin (IV) selenide
- gallium arsenide
- lead (IV) sulfate
- beryllium bicarbonate
- manganese (III) sulfite
- aluminum cyanide
- $\text{Cr}(\text{PO}_4)_2$
- $\text{V}(\text{CO}_3)_2$
- $\text{Sn}(\text{NO}_2)_2$
- Co_2O_3
- $\text{Ti}(\text{C}_2\text{H}_3\text{O}_2)_2$
- V_2S_5
- $\text{Cr}(\text{OH})_3$
- LiI
- Pb_3N_2
- AgBr

Ionic Naming Practice Problems - Solutions

- NaBr sodium bromide
- $\text{Sc}(\text{OH})_3$ scandium hydroxide
- $\text{V}_2(\text{SO}_4)_3$ vanadium (III) sulfate
- NH_4F ammonium fluoride
- CaCO_3 calcium carbonate
- NiPO_4 nickel (III) phosphate
- Li_2SO_3 lithium sulfite
- Zn_3P_2 zinc phosphide
- $\text{Sr}(\text{C}_2\text{H}_3\text{O}_2)_2$ strontium acetate
- Cu_2O copper (I) oxide
- Ag_3PO_4 silver phosphate
- YClO_3 yttrium chlorate
- SnS_2 tin (IV) sulfide
- $\text{Ti}(\text{CN})_4$ titanium (IV) cyanide
- KMnO_4 potassium permanganate
- Pb_3N_2 lead (II) nitride
- CoCO_3 cobalt (II) carbonate
- CdSO_3 cadmium sulfite
- $\text{Cu}(\text{NO}_2)_2$ copper (I) nitrite
- $\text{Fe}(\text{HCO}_3)_2$ iron (II) bicarbonate
- lithium acetate $\text{LiC}_2\text{H}_3\text{O}_2$

- iron (II) phosphate $\text{Fe}_3(\text{PO}_4)_2$
- titanium (II) selenide TiSe
- calcium bromide CaBr_2
- gallium chloride GaCl_3
- sodium hydride NaH
- beryllium hydroxide $\text{Be}(\text{OH})_2$
- zinc carbonate ZnCO_3
- manganese (VII) arsenide Mn_3As_7
- copper (II) chlorate $\text{Cu}(\text{ClO}_3)_2$
- cobalt (III) chromate $\text{Co}_2(\text{CrO}_4)_3$
- ammonium oxide $(\text{NH}_4)_2\text{O}$
- potassium hydroxide KOH
- lead (IV) sulfate $\text{Pb}(\text{SO}_4)_2$
- silver cyanide AgCN
- vanadium (V) nitride V_3N_5
- strontium acetate $\text{Sr}(\text{C}_2\text{H}_3\text{O}_2)_2$
- molybdenum sulfate $\text{Mo}(\text{SO}_4)_3$
- platinum (II) sulfide PtS
- ammonium sulfate $(\text{NH}_4)_2\text{SO}_4$

Ionic/Covalent Compound Naming Solutions

- Na_2CO_3 sodium carbonate
- P_2O_5 diphosphorus pentoxide
- NH_3 ammonia
- FeSO_4 iron (II) sulfate
- SiO_2 silicon dioxide
- GaCl_3 gallium chloride
- CoBr_2 cobalt (II) bromide
- B_2H_4 diboron tetrahydride
- CO carbon monoxide
- P_4 phosphorus
- dinitrogen trioxide N_2O_3
- nitrogen N_2
- methane CH_4
- lithium acetate $\text{LiC}_2\text{H}_3\text{O}_2$
- phosphorus trifluoride PF_3
- vanadium (V) oxide V_2O_5
- aluminum hydroxide $\text{Al}(\text{OH})_3$
- zinc sulfide ZnS
- silicon tetrafluoride SiF_4
- silver phosphate Ag_3PO_4

(Still) More Naming Practice - Answers

- BBr_3 boron tribromide
- CaSO_4 calcium sulfate
- C_2Br_6 dicarbon hexabromide
- $\text{Cr}(\text{CO}_3)_3$ chromium (VI) carbonate
- Ag_3P silver phosphide
- IO_2 iodine dioxide
- VO_2 vanadium (IV) oxide
- PbS lead (II) sulfide
- CH_4 methane
- N_2O_3 dinitrogen trioxide

Write the formulas of the following chemical compounds:

- tetraphosphorus triselenide P_4Se_3
- potassium acetate $\text{KC}_2\text{H}_3\text{O}_2$
- iron (II) phosphide Fe_3P_2
- disilicon hexabromide Si_2Br_6
- titanium (IV) nitrate $\text{Ti}(\text{NO}_3)_4$
- diselenium diiodide Se_2I_2
- copper (I) phosphate Cu_3PO_4
- gallium oxide Ga_2O_3
- tetrasulfur dinitride S_4N_2
- phosphorus P_4

Answers – Naming Chemical Compounds

- NaBr sodium bromide
- $\text{Ca}(\text{C}_2\text{H}_3\text{O}_2)_2$ calcium acetate
- P_2O_5 diphosphorus pentoxide
- $\text{Ti}(\text{SO}_4)_2$ titanium(IV) sulfate
- FePO_4 iron(III) phosphate
- K_3N potassium nitride
- SO_2 sulfur dioxide
- CuOH copper(I) hydroxide
- $\text{Zn}(\text{NO}_2)_2$ zinc nitrite
- V_2S_3 vanadium(III) sulfide