

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
- Cr(PO₄)₂
- V(CO₃)₂
- Sn(NO₂)₂
- Co₂O₃
- Ti(C₂H₃O₂)₂
- V₂S₅
- Cr(OH)₃
- LiI
- Pb₃N₂
- AgBr

Ionic Naming Practice Problems - Solutions

- NaBr **sodium bromide**
- Sc(OH)₃ **scandium hydroxide**
- V₂(SO₄)₃ **vanadium (III) sulfate**
- NH₄F **ammonium fluoride**
- CaCO₃ **calcium carbonate**
- NiPO₄ **nickel (III) phosphate**
- Li₂SO₃ **lithium sulfite**
- Zn₃P₂ **zinc phosphide**
- Sr(C₂H₃O₂)₂ **strontium acetate**
- Cu₂O **copper (I) oxide**
- Ag₃PO₄ **silver phosphate**
- YClO₃ **yttrium chlorate**
- SnS₂ **tin (IV) sulfide**
- Ti(CN)₄ **titanium (IV) cyanide**
- KMnO₄ **potassium permanganate**
- Pb₃N₂ **lead (II) nitride**
- CoCO₃ **cobalt (II) carbonate**
- CdSO₃ **cadmium sulfite**
- Cu(NO₂)₂ **copper (I) nitrite**
- Fe(HCO₃)₂ **iron (II) bicarbonate**
- lithium acetate **LiC₂H₃O₂**

- iron (II) phosphate **Fe₃(PO₄)₂**
- titanium (II) selenide **TiSe**
- calcium bromide **CaBr₂**
- gallium chloride **GaCl₃**
- sodium hydride **NaH**
- beryllium hydroxide **Be(OH)₂**
- zinc carbonate **ZnCO₃**
- manganese (VII) arsenide **Mn₃As₇**
- copper (II) chlorate **Cu(ClO₃)₂**
- cobalt (III) chromate **Co₂(CrO₄)₃**
- ammonium oxide **(NH₄)₂O**
- potassium hydroxide **KOH**
- lead (IV) sulfate **Pb(SO₄)₂**
- silver cyanide **AgCN**
- vanadium (V) nitride **V₃N₅**
- strontium acetate **Sr(C₂H₃O₂)₂**
- molybdenum sulfate **Mo(SO₄)₃**
- platinum (II) sulfide **PtS**
- ammonium sulfate **(NH₄)₂SO₄**

Ionic/Covalent Compound Naming Solutions

- Na₂CO₃ **sodium carbonate**
- P₂O₅ **diphosphorus pentoxide**
- NH₃ **ammonia**
- FeSO₄ **iron (II) sulfate**
- SiO₂ **silicon dioxide**
- GaCl₃ **gallium chloride**
- CoBr₂ **cobalt (II) bromide**
- B₂H₄ **diboron tetrahydride**
- CO **carbon monoxide**
- P₄ **phosphorus**
- dinitrogen trioxide **N₂O₃**
- nitrogen **N₂**
- methane **CH₄**
- lithium acetate **LiC₂H₃O₂**
- phosphorus trifluoride **PF₃**
- vanadium (V) oxide **V₂O₅**
- aluminum hydroxide **Al(OH)₃**
- zinc sulfide **ZnS**
- silicon tetrafluoride **SiF₄**
- silver phosphate **Ag₃PO₄**

(Still) More Naming Practice - Answers

- BBr₃ **boron tribromide**
- CaSO₄ **calcium sulfate**
- C₂Br₆ **dicarbon hexabromide**
- Cr(CO₃)₃ **chromium (VI) carbonate**
- Ag₃P **silver phosphide**
- IO₂ **iodine dioxide**
- VO₂ **vanadium (IV) oxide**
- PbS **lead (II) sulfide**
- CH₄ **methane**
- N₂O₃ **dinitrogen trioxide**

Write the formulas of the following chemical compounds:

- tetraphosphorus triselenide **P₄Se₃**
- potassium acetate **KC₂H₃O₂**
- iron (II) phosphide **Fe₃P₂**
- disilicon hexabromide **Si₂Br₆**
- titanium (IV) nitrate **Ti(NO₃)₄**
- diselenium diiodide **Se₂I₂**
- copper (I) phosphate **Cu₃PO₄**
- gallium oxide **Ga₂O₃**
- tetrasulfur dinitride **S₄N₂**
- phosphorus **P₄**

Answers – Naming Chemical Compounds

- NaBr **sodium bromide**
- Ca(C₂H₃O₂)₂ **calcium acetate**
- P₂O₅ **diphosphorus pentoxide**
- Ti(SO₄)₂ **titanium(IV) sulfate**
- FePO₄ **iron(III) phosphate**
- K₃N **potassium nitride**
- SO₂ **sulfur dioxide**
- CuOH **copper(I) hydroxide**
- Zn(NO₂)₂ **zinc nitrite**
- V₂S₃ **vanadium(III) sulfide**