

Ionic Naming Practice Problems - Solutions

Name the following ionic compounds:

- 1) NaBr sodium bromide
- 2) Sc(OH)₃ scandium ^{III} hydroxide
- 3) V₂(SO₄)₃ vanadium (III) sulfate
- 4) NH₄F ammonium fluoride
- 5) CaCO₃ calcium carbonate
- 6) NiPO₄ nickel (III) phosphate
- 7) Li₂SO₃ lithium sulfite
- 8) Zn₃P₂ zinc phosphide
- 9) Sr(C₂H₃O₂)₂ strontium acetate
- 10) Cu₂O copper (I) oxide
- 11) Ag₃PO₄ silver phosphate
- 12) YClO₃ yttrium ^(I) chlorate
- 13) SnS₂ tin (IV) sulfide
- 14) Ti(CN)₄ titanium (IV) cyanide
- 15) KMnO₄ potassium permanganate
- 16) Pb₃N₂ lead (II) nitride
- 17) CoCO₃ cobalt (II) carbonate
- 18) CdSO₃ cadmium sulfite
- 19) Cu(NO₂)₂ copper ^(I) nitrite
- 20) Fe(HCO₃)₂ iron (II) bicarbonate or iron ^(II) hydrogen carbonate

Write the formulas for the following ionic compounds:

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| 21) | lithium acetate | LiC₂H₃O₂ |
| 22) | iron (II) phosphate | Fe₃(PO₄)₂ |
| 23) | titanium (II) selenide | TiSe |
| 24) | calcium bromide | CaBr₂ |
| 25) | gallium chloride | GaCl₃ |
| 26) | sodium hydride | NaH |
| 27) | beryllium hydroxide | Be(OH)₂ |
| 28) | zinc carbonate | ZnCO₃ |
| 29) | manganese (VII) arsenide | Mn₃As₇ |
| 30) | copper (II) chlorate | Cu(ClO₃)₂ |
| 31) | cobalt (III) chromate | Co₂(CrO₄)₃ |
| 32) | ammonium oxide | (NH₄)₂O |
| 33) | potassium hydroxide | KOH |
| 34) | lead (IV) sulfate | Pb(SO₄)₂ |
| 35) | silver cyanide | AgCN |
| 36) | vanadium (V) nitride | V₃N₅ |
| 37) | strontium acetate | Sr(C₂H₃O₂)₂ |
| 38) | molybdenum sulfate | Mo(SO₄)₃ |
| 39) | platinum (II) sulfide | PtS |
| 40) | ammonium sulfate | (NH₄)₂SO₄ |