

Naming Chemical Compounds (Ionic and Covalent)

The following are a good mix of naming and formula writing problems to help you get some practice. I will expect that you know how to name both ionic and covalent compounds in your work.

Name the following chemical compounds:

- 1) NaBr sodium bromide
- 3) P₂O₅ diphosphorous pentoxide
- 4) Ti(SO₄)₂ titanium (IV) sulfate
- 5) FePO₄ iron (III) phosphate
- 6) K₃N potassium nitride
- 7) SO₂ sulfur dioxide
- 8) CuOH copper (I) hydroxide
- 9) Zn(NO₂)₂ Zinc (II) nitrite
- 10) V₂S₃ vanadium (III) sulfide

Write the formulas for the following chemical compounds:

- 11) silicon dioxide SiO₂
- 12) nickel (III) sulfide Ni₂S₃
- 13) manganese (II) phosphate Mn₃(PO₄)₂
- 15) diboron tetrabromide B₂Br₄
- 16) magnesium sulfate ~~heptahydrate~~ MgSO₄
- 17) potassium carbonate K₂CO₃
- 18) ammonium oxide (NH₄)₂O
- 19) tin (IV) selenide SnSe₂
- 20) carbon tetrachloride CCl₄