

Chem 105 Practice Naming Compounds I

- 1) a) Explain the difference between an element and a compound.
b) Explain the difference between an ionic compound and a molecular compound.
c) Explain the difference between an organic compound and an inorganic compound.

2) Ionic compounds - salts, acids and hydrates

LiCl _____

sodium sulfide _____

K₂O _____

calcium bromide _____

HBr(aq) _____

sulfuric acid _____

PbSO₄ _____

iron(II)hydroxide _____

Mg₃(PO₄)₂ _____

potassium nitrite _____

NaC₂H₃O₂ · 3H₂O _____

ammonium phosphate trihydrate _____

3) Binary Inorganic Molecular Compounds

N₂O₅ _____

sulfur trioxide _____

SiO₂ _____

carbon disulfide _____

PCl₅ _____

dichlorine monoxide _____

4) Simple Organic Molecular Compounds

C₃H₈ _____

octane _____

C₅H₁₁Cl _____

ethanol _____

C₉H₁₉CO₂H _____

hexene _____