

Nomenclature Worksheet

1. Identify which of the following are IONIC and which are COVALENT compounds

a. CO Ans COVALENT

b. BaCl₂ Ans IONIC

c. HCl Ans COVALENT

d. K₂CO₃ Ans IONIC

e. NH₄Br Ans IONIC

f. NH₃ Ans COVALENT

2. Name

a). CaO Ans calcium oxide

b). MgS Ans magnesium sulfide

c). LiOH Ans lithium oxide

d). H₂ Ans hydrogen

e). CuBr Ans copper (I) bromide

f). Al₂O₃ Ans aluminum oxide

g). Fe(NO₃)₃ Ans iron (III) nitrate

h). AgCN Ans silver cyanide

i). ZnF₂ Ans zinc fluoride

j). NH₄NO₃ Ans ammonium nitrate

3. Give formulas for

- | | | |
|----------------------------|-----|---|
| a). Lead (II) oxide | Ans | PbO |
| b). Oxygen difluoride | Ans | OF ₂ |
| c). Tetrasulfur trinitride | Ans | S ₄ N ₃ |
| d). Copper (II) bromide | Ans | CuBr ₂ |
| e). Lithium carbonate | Ans | Li(CO ₃) ₂ |
| f). calcium nitrate | Ans | Ca(NO ₃) ₂ |
| g). Ammonium sulfate | Ans | (NH ₄) ₂ SO ₄ |
| h). Sulfur trioxide | Ans | SO ₃ |