



Practice Problems D

- $\ddot{\text{O}}=\text{C}=\ddot{\text{O}}$
- $\text{H}-\text{C}\equiv\text{N}:$

Practice Problems E

- linear
 - tetrahedral
 - tetrahedral

Practice Problems F

- bent or angular
 - trigonal-pyramidal

Math Tutor Practice

- $\ddot{\text{Si}}:$
 - $\ddot{\text{Sr}}:$
- $\begin{array}{c} \text{H} \\ | \\ \text{H} : \ddot{\text{S}} : \\ | \\ \text{O} \\ | \\ \text{H} : \ddot{\text{C}} : \ddot{\text{O}} : \text{H} \end{array}$

Chemical Formulas and Chemical Compounds

Practice Problems A

- KI
 - MgCl_2
 - Na_2S
 - Al_2S_3
 - AlN

- silver chloride
 - zinc oxide
 - calcium bromide
 - strontium fluoride
 - barium oxide
 - calcium chloride

Practice Problems B

- CuBr_2 , copper(II) bromide
 - FeO , iron(II) oxide
 - PbCl_2 , lead(II) chloride
 - HgS , mercury(II) sulfide
 - SnF_2 , tin(II) fluoride
 - Fe_2O_3 , iron(III) oxide
- copper(II) oxide
 - cobalt(III) fluoride
 - tin(IV) iodide
 - iron(II) sulfide

Practice Problems C

- NaI
 - CaCl_2
 - K_2S
 - LiNO_3
 - CuSO_4
 - Na_2CO_3
 - $\text{Ca}(\text{NO}_2)_2$
 - KClO_4
- silver oxide
 - calcium hydroxide
 - potassium chlorate
 - ammonium hydroxide
 - iron(III) chromate
 - potassium hypochlorite

Practice Problems D

- sulfur trioxide
 - iodine trichloride
 - phosphorus pentabromide
- Cl_4
 - PCl_3
 - N_2O_3

Practice Problem E

- +1, -1
- +4, -1
- +3, -1
- +4, -2
- +1, +5, -2
- +1, -1
- +5, -2
- +1, +5, -2
- +5, -2
- +2, -1

Practice Problem F

- 98.09 amu
- 164.10 amu
- 94.97 amu
- 95.21 amu

Practice Problems G

- 2 mol Al, 3 mol S
 - 1 mol Na, 1 mol N, 3 mol O
 - 1 mol Ba, 2 mol O, 2 mol H
- 150.17 g/mol
 - 85.00 g/mol
 - 171.35 g/mol

Practice Problems I

- 0.0499 mol
 - 61 mol
- 1.53×10^{23} molecules
 - 2.20×10^{23} molecules
- 1170 g

Practice Problems K

- 74.51% Pb, 25.49% Cl
 - 52.55% Ba, 10.72% N, 36.73% O
- 43.85% H_2O
- 96.0 g O; 6.00 mol O

Practice Problems M

- FeS
- $\text{K}_2\text{Cr}_2\text{O}_7$
- CaBr_2

Practice Problems N

- C_6H_6
- H_2O_2

Math Tutor Practice

- 43.38% Na, 11.33% C, 45.29% O
- 61.13% I