

Name : _____ Date : _____

Balancing Equation Problems

Balance the following chemical equations.

- _____ $\text{Ca}_2(\text{PO}_4)_2$ + _____ SiO_2 + _____ C $\rightarrow$ _____ CaSiO_3 + _____ P_4 + _____ CO
- _____ MgNH_4PO_4 $\rightarrow$ _____ $\text{Mg}_2\text{P}_2\text{O}_7$ + _____ NH_3 + _____ H_2O
- _____ C_2N_2 + _____ NaOH $\rightarrow$ _____ NaCN + _____ NaOCN + _____ H_2O
- _____ NaOH + _____ FeSO_4 $\rightarrow$ _____ Na_2SO_4 + _____ $\text{Fe}(\text{OH})_2$
- _____ U_3O_8 + _____ HNO_3 $\rightarrow$ _____ $\text{UO}_2(\text{NO}_2)_2$ + _____ NO_2 + _____ H_2O
- _____ HAsO_2 $\rightarrow$ _____ As_2O_3 + _____ H_2O
- _____ C_6H_6 + _____ O_2 $\rightarrow$ _____ CO_2 + _____ H_2O
- _____ BeSO_4 + _____ NH_4OH $\rightarrow$ _____ $\text{Be}(\text{OH})_2$ + _____ $(\text{NH}_4)_2\text{SO}_4$
- _____ $\text{Be}(\text{OH})_2$ + _____ NH_4HF_2 $\rightarrow$ _____ $(\text{NH}_4)_2\text{BeF}_4$ + _____ H_2O
- _____ MgNH_4PO_4 $\rightarrow$ _____ $\text{Mg}_2\text{P}_2\text{O}_7$ + _____ NH_3 + _____ H_2O
- _____ HNO_3 + _____ $\text{Ca}(\text{OH})_2$ $\rightarrow$ _____ $\text{Ca}(\text{NO}_3)_2$ + _____ H_2O
- _____ NaOH + _____ H_2SO_4 $\rightarrow$ _____ Na_2SO_4 + _____ H_2O
- _____ BaCl_2 + _____ H_2SO_4 $\rightarrow$ _____ BaSO_4 + _____ HCl
- _____ Zn + _____ AgNO_3 $\rightarrow$ _____ $\text{Zn}(\text{NO}_3)_2$ + _____ Ag
- _____ KCN + _____ H_2SO_4 $\rightarrow$ _____ K_2SO_4 + _____ HCN