

NAME:

CLASS:

INSTRUCTIONS:

Balance the following equations by writing the appropriate coefficients in the spaces provided.

If the coefficient is 1, you will be required to write 1 in the space as well, in order for marks to be awarded in the worksheet.

- 1) _____ $\text{Fe}(\text{NO}_3)_3$ + _____ MgO $\rightarrow$ _____ Fe_2O_3 + _____ $\text{Mg}(\text{NO}_3)_2$
- 2) _____ $\text{Cu}_3(\text{PO}_4)_2$ + _____ Na_2SO_4 $\rightarrow$ _____ Na_3PO_4 + _____ CuSO_4
- 3) _____ $\text{Al}(\text{NO}_3)_3$ + _____ KOH $\rightarrow$ _____ $\text{Al}(\text{OH})_3$ + _____ KNO_3
- 4) _____ $\text{Al}_2(\text{CO}_3)_3$ + _____ Na_3PO_4 $\rightarrow$ _____ Na_2CO_3 + _____ AlPO_4
- 5) _____ $\text{Ba}(\text{OH})_2$ + _____ K_2SO_4 $\rightarrow$ _____ BaSO_4 + _____ KOH
- 6) _____ AgNO_3 + _____ CaCl_2 $\rightarrow$ _____ $\text{Ca}(\text{NO}_3)_2$ + _____ AgCl
- 7) _____ $\text{Pb}(\text{NO}_3)_2$ + _____ KI $\rightarrow$ _____ PbI_2 + _____ KNO_3
- 8) _____ Na_2CO_3 + _____ H_2SO_4 $\rightarrow$ _____ Na_2SO_4 + _____ H_2O + _____ CO_2
- 9) _____ $\text{Mg}(\text{OH})_2$ + _____ HNO_3 $\rightarrow$ _____ $\text{Mg}(\text{NO}_3)_2$ + _____ H_2O
- 10) _____ $(\text{NH}_4)_3\text{N}$ + _____ CaCl_2 $\rightarrow$ _____ NH_4Cl + _____ Ca_3N_2

