

NUMBERS OF ATOMS IN A FORMULA

Name _____

Determine the number of atoms in the following chemical formulas.

1. NaCl _____
2. H_2SO_4 _____
3. KNO_3 _____
4. $CaCl_2$ _____
5. C_2H_6 _____
6. $Ba(OH)_2$ _____
7. NH_4Br _____
8. $Ca_3(PO_4)_2$ _____
9. $Al_2(SO_4)_3$ _____
10. $Mg(NO_3)_2$ _____
11. $Cu(NO_3)_2$ _____
12. $KMnO_4$ _____
13. H_2O_2 _____
14. H_3PO_4 _____
15. $(NH_4)_3PO_4$ _____
16. Fe_2O_3 _____
17. $NaC_2H_3O_2$ _____
18. $Mg(C_2H_3O_2)_2$ _____
19. Hg_2Cl_2 _____
20. K_2SO_3 _____

BALANCING EQUATIONS

Name _____

Balance the following chemical equations.

1. $CH_4 + O_2 \rightarrow CO_2 + H_2O$
2. $Na + I_2 \rightarrow NaI$
3. $N_2 + O_2 \rightarrow N_2O$
4. $N_2 + H_2 \rightarrow NH_3$
5. $KI + Cl_2 \rightarrow KCl + I_2$
6. $HCl + Ca(OH)_2 \rightarrow CaCl_2 + H_2O$
7. $KClO_3 \rightarrow KCl + O_2$
8. $K_3PO_4 + HCl \rightarrow KCl + H_3PO_4$
9. $S + O_2 \rightarrow SO_3$
10. $KI + Pb(NO_3)_2 \rightarrow KNO_3 + PbI_2$
11. $CaSO_4 + AlBr_3 \rightarrow CaBr_2 + Al_2(SO_4)_3$
12. $H_2O_2 \rightarrow H_2O + O_2$
13. $Na + H_2O \rightarrow NaOH + H_2$
14. $C_2H_6 + O_2 \rightarrow CO_2 + H_2O$
15. $Mg(NO_3)_2 + K_3PO_4 \rightarrow Mg_3(PO_4)_2 + KNO_3$