**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_**

**Balancing explosion!!**

Directions: Balance the following equations by writing the correct coefficient in the blanks in front of each element or compound.

* If the equations are **already** balanced then write "AB" to the left of the equation.

1. \_\_\_\_Al + \_\_\_\_Cl2 🡪 \_\_\_\_AlCl3
2. \_\_\_Mg(OH)2 + \_\_\_HCl🡪 \_\_\_MgCl2 + \_\_\_H2O
3. \_\_\_\_KClO3 🡪 \_\_\_\_KCl + \_\_\_\_O2
4. \_\_\_\_Br2 + \_\_\_NaI🡪 \_\_\_NaBr + \_\_\_\_I2
5. \_\_\_C2H6 + \_\_\_O2🡪 \_\_\_CO2 + \_\_\_H2O
6. \_\_\_SO3 + \_\_\_H2O 🡪 \_\_\_H2SO4
7. \_\_\_Zn + \_\_\_\_HCl🡪 \_\_\_ZnCl2 + \_\_\_H2
8. \_\_\_Al2O3 🡪 \_\_\_Al + \_\_\_O2
9. \_\_\_H2S + \_\_\_O2 🡪 \_\_\_H2O + \_\_\_SO2
10. \_\_Ba(NO3)2 + \_\_Na2SO4 🡪 \_\_BaSO4 +\_\_ NaNO3
11. \_MnO4 + \_\_H2O 🡪 \_\_MnO4 + \_\_OH + \_\_MnO2
12. \_\_\_HBrO🡪 \_\_\_H2  + \_\_\_Br2 + \_\_\_O2
13. \_\_\_\_I2 + \_\_\_\_H2S 🡪 \_\_\_H2 + \_\_\_\_I2 + \_\_\_S
14. \_\_\_NH3  + \_\_\_H2O + \_\_\_O2🡪 \_\_\_NO + \_\_\_H2O
15. \_\_\_NO3 + \_\_I2 + \_\_\_H2🡪\_\_NO + \_\_\_I2 + \_\_\_H2O
16. \_\_\_NO2 + \_\_\_H2🡪 \_\_\_NH3 + \_\_\_H2O
17. \_\_\_SiCl4 + \_\_\_H2O 🡪 \_\_\_SiO2 + \_\_\_HCl
18. \_\_SO3 + \_\_H2 + \_\_MnO4🡪 \_\_SO4 + \_\_Mn + \_\_\_H2O
19. \_\_\_Al2O3 + \_\_\_HCl🡪 \_\_\_AlCl3 + \_\_\_H2O
20. \_\_\_CS2 + \_\_\_NaOH🡪 \_\_\_Na2CS3  + \_\_\_Na2CO3 + \_\_\_H2O
21. \_\_\_Al2O3 + \_\_\_HCl🡪 \_\_\_AlCl3 + \_\_\_H2O
22. \_\_\_CaC2 + \_\_\_H2O 🡪 \_\_\_Ca(OH) 2 + \_\_\_C2H2
23. \_\_KO3 + \_\_H2 + \_\_MgO4🡪\_\_KO4 + \_\_Mg + \_\_\_H2O
24. \_\_\_Cl2 + \_\_\_H2O 🡪 \_\_\_HCl + \_\_\_O2
25. \_\_\_NO2 + \_\_\_H2🡪\_\_\_\_ NH3 + \_\_\_H2O
26. \_\_\_PCl3 + \_\_\_H2O 🡪 \_\_\_H3PO3 + \_\_\_HCl
27. \_\_\_SiCl4 + \_\_\_H2O 🡪 \_\_\_SiO2 + \_\_\_HCl
28. \_\_\_Al + \_\_\_HCl🡪 \_\_\_AlCl3 + \_\_\_H2
29. \_\_\_PbO + \_\_\_NH3🡪 \_\_\_Pb + \_\_\_N2 + \_\_\_H2O
30. \_\_\_SO3 + \_\_\_H2 + \_\_\_MnO4🡪 \_\_\_SO4 + \_\_\_Mn + \_\_H2O
31. \_\_\_NaCl + \_\_\_AgNO3🡪 \_\_\_NaNO3 + \_\_\_AgCl
32. \_\_\_Mg + \_\_\_HCl🡪 \_\_\_MgCl2  + \_\_\_H2
33. \_\_\_Zn + \_\_\_H2SO4🡪 \_\_\_ZnSO4  + \_\_\_H2
34. \_\_\_NaOH + \_\_\_HCl🡪 \_\_\_NaCl + \_\_\_H2O
35. \_\_\_Al2(SO4)3 + \_\_\_Ca(OH)2🡪 \_\_\_Al(OH)3 + \_\_\_CaSO4
36. \_\_\_Cl2 + \_\_\_NaBr🡪 \_\_\_NaCl + \_\_\_Br
37. \_\_\_Zn + \_\_\_CuSO4🡪 \_\_\_ZnSO4 + \_\_\_Cu
38. \_\_\_KClO3🡪 \_\_\_KCl + \_\_\_O2
39. \_\_\_H2O + \_\_\_Fe 🡪 \_\_\_Fe2O3 + \_\_\_H2
40. \_\_\_Ca(OH)2 + \_\_\_HNO3🡪 \_\_\_Ca(NO3)2 + \_\_\_H2O