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

**More Balancing! Worksheet A**

Instructions: *Show all work (RAP Tables) on a separate sheet of paper and attach to this handout.*

1. \_\_\_\_\_ CH4 + \_\_\_\_\_ O2 🡪 \_\_\_\_\_ CO2 + \_\_\_\_\_ H2O
2. \_\_\_\_\_ Al + \_\_\_\_\_ O2 🡪 \_\_\_\_\_ Al2O3
3. \_\_\_\_\_ C2H4 + \_\_\_\_\_ O2 🡪 \_\_\_\_\_ CO2 + \_\_\_\_\_ H2O
4. \_\_\_\_\_ CO + \_\_\_\_\_ H2 🡪 \_\_\_\_\_ CH3OH
5. \_\_\_\_\_ HCl + \_\_\_\_\_ O2 🡪 \_\_\_\_\_ H2O + \_\_\_\_\_ Cl2
6. \_\_\_\_\_ AlCl3 + \_\_\_\_\_ H2O 🡪 \_\_\_\_\_ Al(OH)3 + \_\_\_\_\_ HCl
7. \_\_\_\_\_ N2 + \_\_\_\_\_ H3 🡪 \_\_\_\_\_ NH3
8. \_\_\_\_\_ Fe(NO3)3 + \_\_\_\_\_ MgO 🡪 \_\_\_\_\_ Fe2O3 + \_\_\_\_\_ Mg(NO3)2
9. \_\_\_\_\_ Fe + \_\_\_\_\_ O2 🡪 \_\_\_\_\_ Fe2O3
10. \_\_\_\_\_ CaCO3 🡪 \_\_\_\_\_ CaO + \_\_\_\_\_ CO2
11. \_\_\_\_\_ HBr + \_\_\_\_\_ H2SO4 🡪 \_\_\_\_\_ SO2 + \_\_\_\_\_ Br2 + \_\_\_\_\_ H2O
12. \_\_\_\_\_ NH4OH + \_\_\_\_\_ H2SO4 🡪 \_\_\_\_\_ (NH4)2SO4 + \_\_\_\_\_ H2O
13. \_\_\_\_\_ KClO3 🡪 \_\_\_\_\_ KCl + \_\_\_\_\_ O2
14. \_\_\_\_\_ CS2 + \_\_\_\_\_ O2 🡪 \_\_\_\_\_ CO2 + \_\_\_\_\_ SO2
15. \_\_\_\_\_ C2H5OH + \_\_\_\_\_ O2 🡪 \_\_\_\_\_ CO2 + \_\_\_\_\_ H2O
16. \_\_\_\_\_ S8 + \_\_\_\_\_ O2 + \_\_\_\_\_ H2O 🡪 \_\_\_\_\_ H2SO4
17. \_\_\_\_\_ C12H22O11 + \_\_\_\_\_ O2 🡪 \_\_\_\_\_ CO2 + \_\_\_\_\_ H2O
18. \_\_\_\_\_ Ca(OH)2 + \_\_\_\_\_ H3PO4 🡪 \_\_\_\_\_ Ca3(PO4)2 + \_\_\_\_\_ H2O
19. \_\_\_\_\_ (NH4)3N + \_\_\_\_\_ Cr(CrO4)2 🡪 \_\_\_\_\_ (NH4)2CrO4 + \_\_\_\_\_ Cr3N4
20. \_\_\_\_\_ Cu3(PO4)2 + \_\_\_\_\_ Na2SO4 🡪 \_\_\_\_\_ Na3PO4 + \_\_\_\_\_ CuSO4