Balancing Chemical Equations WKST #1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chem 332 – O’Dette Date \_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_

Balance the following equations:

1. \_\_\_\_\_\_\_ N2 (g) + \_\_\_\_\_\_\_ H2 (g) \_\_\_\_\_\_\_ NH3 (g)
2. \_\_\_\_\_\_\_ H3BO3 (s) \_\_\_\_\_\_\_ B2O3 (s) + \_\_\_\_\_\_\_ H2O (l)
3. \_\_\_\_\_\_\_ Al (s) + \_\_\_\_\_\_\_ Cl2 (g) \_\_\_\_\_\_\_ AlCl3 (s)
4. \_\_\_\_\_\_\_ SiO2 (s) + \_\_\_\_\_\_\_ C (s) \_\_\_\_\_\_\_ Si (s) + \_\_\_\_\_\_\_ CO (g)
5. \_\_\_\_\_\_\_ Fe (s) + \_\_\_\_\_\_\_ H2O (l) \_\_\_\_\_\_\_ Fe2O3 (s) + \_\_\_\_\_\_\_ H2 (g)
6. \_\_\_\_\_\_\_ UO2 (s) + \_\_\_\_\_\_\_ HF (l) \_\_\_\_\_\_\_ UF4 (s) + \_\_\_\_\_\_\_ H2O (l)
7. \_\_\_\_\_\_\_ B2O3 (s) + \_\_\_\_\_\_\_ HF (l) \_\_\_\_\_\_\_ BF3 (g) + \_\_\_\_\_\_\_ H2O (l)
8. \_\_\_\_\_\_\_ BF3 (g) + \_\_\_\_\_\_\_ H2O (l) \_\_\_\_\_\_\_ HF (l) + \_\_\_\_\_\_\_ H3BO3 (s)
9. \_\_\_\_\_\_\_ MgO (s) + \_\_\_\_\_\_\_ Fe (s) \_\_\_\_\_\_\_ Fe2O3 (s) + \_\_\_\_\_\_ Mg (s)
10. \_\_\_\_\_\_\_ K (s) + \_\_\_\_\_\_\_Cl2 (g) + \_\_\_\_\_\_\_ O2 (g) \_\_\_\_\_\_\_ KClO3 (s)