Name: _____ **Date:** _____

Balancing Equations

Balance the following chemical equations.

1. _____ AgI + _____ Na_2S → _____ Ag_2S + _____ NaI

2. _____ Na_3PO_4 + _____ HCl → _____ $NaCl$ + _____ H_3PO_4

3. _____ Ba_3N_2 + _____ H_2O → _____ $Ba(OH)_2$ + _____ NH_3

4. _____ $TiCl_4$ + _____ H_2O → _____ TiO_2 + _____ HCl

5. _____ $CaCl_2$ + _____ Na_3PO_4 → _____ $Ca_3(PO_4)_2$ + _____ $NaCl$

6. _____ $NaBr$ + _____ Cl_2 → _____ $NaCl$ + _____ Br_2

7. _____ $Mg(OH)_2$ + _____ HCl → _____ $MgCl_2$ + _____ H_2O

8. _____ FeS + _____ O_2 → _____ Fe_2O_3 + _____ SO_2

9. _____ PCl_5 + _____ H_2O → _____ H_3PO_4 + _____ HCl

10. _____ C_2H_6O + _____ O_2 → _____ CO_2 + _____ H_2O