Name: _____ **Date:** _____

Balancing Equations

Balance the following chemical equations.

1. _____ CH_4 + _____ O_2 → _____ CO_2 + _____ H_2O

2. _____ Na^+ + _____ Cl^- → _____ $NaCl$

3. _____ Al + _____ O_2 → _____ Al_2O_3

4. _____ N_2^+ + _____ H_2 → _____ NH_3

5. _____ $CO(g)$ + _____ $H_2(g)$ → _____ $C_8H_{18}(l)$ + _____ H_2O

6. _____ $FeO_3(s)$ + _____ $CO(g)$ → _____ $Fe(l)$ + _____ $CO_2(g)$

7. _____ H_2SO_4 + _____ $Pb(OH)_4$ → _____ $Pb(SO_4)_2$ + _____ H_2O

8. _____ Al + _____ HCl → _____ $AlCl_3$ + _____ H_2

9. _____ $Ca_3(PO_4)_2$ + _____ H_2SO_4 → _____ $CaSO_4$ + _____ $Ca(H_2PO_4)_2$

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