Name: _____ **Date:** _____

Balancing Equations

Balance the following chemical equations.

1. __ CH_4 + __ O_2 → CO_2 + __ H_2O

2. __ Na + __ Cl_2 → 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