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. ____ $Fe_2O_3(s)$ + ____ $CO(g)$ → ____ $Fe(l)$ + ____ $CO_2(g)$

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

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