Block: \_\_\_\_\_

## Balancing Chemical Equations #2

Balance the following chemical equations. These are a little more challenging than the previous set.

1. 
$$Pb(NO_3)_2 \longrightarrow PbO + NO_2 + O_2$$

$$2. \qquad Ca_3P_2 + \qquad H_2O \longrightarrow \qquad Ca(OH)_2 + \qquad PH_3$$

3. 
$$Ca + AlCl_3 \longrightarrow CaCl_2 + Al$$

4. 
$$H_3PO_3 \longrightarrow H_3PO_4 + PH_3$$

$$5. \qquad C_6H_6+ \qquad O_2 \longrightarrow \qquad CO_2+ \qquad H_2O$$

6. 
$$Al_4C_3 + H_2O \longrightarrow CH_4 + Al(OH)_3$$

7. 
$$Ag_2S + KCN \longrightarrow KAg(CN)_2 + K_2S$$

8. 
$$MgNH_4PO_4 \longrightarrow Mg_2P_2O_7 + NH_3 + H_2O$$