# Balancing Chemical Equations and Identifying Reaction Types

*Balance the following Equations and determine what type of chemical reaction is taking place. If the coefficient in the blank should be 1 please place the number 1 in the blank.

1. _____$H_2$ + _____$O_2$ → _____$H_2O$

   Type of Reaction:

2. _____$CH_4$ + _____$O_2$ → _____CO + _____$H_2O$

   Type of Reaction:

3. _____FeS + _____$O_2$ → _____$Fe_2O_3$ + _____$SO_2$

   Type of Reaction:

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

   Type of Reaction:

5. _____$H_2SO_4$ + _____Fe → _____$Fe_2(SO_4)_3$ + _____$H_2$

   Type of Reaction:

6. _____$C_6H_{12}O_6$ → _____C + _____$H_2O$

   Type of Reaction:

7. _____Al + _____HCl → _____$AlCl_3$ + _____$H_2$

   Type of Reaction:

8. _____AgI + _____$Na_2S$ → _____$Ag_2S$ + _____NaI

   Type of Reaction:

LIVEWORKSHEETS