Lab: Balanced Chemical Equation Models

In this lab, you will create models of 4 simple chemical equations. After creating the models, you will draw the **colored** model in the large box. Under the box, you will identify amounts of reactants and products.

Sample:
$$2H_2 + O_2 \rightarrow 2H_2O$$





Reactants

<u>Products</u>

of Hydrogens in Reactants _____

of Hydrogens in Products _____

of Oxygens in Reactants

of Oxygens in Products

Station 1: $N_2 + 3H_2 \rightarrow 2NH_3$





Reactants

Products

of Nitrogens in Reactants _____

of Nitrogens in Products _____

of Hydrogens in Reactants _____

of Hydrogens in Products _____

Station 2: $CH_4 + 2O_2 \rightarrow CO_2 + 2H_2O$







Reactants

of Carbons in Reactants _____

of Hydrogens in Reactants _____

of Oxygens in Reactants _____

Products

of Carbons in Products _____

of Hydrogens in Products _____

of Oxygens in Products _____

Station 3: $2H_2O_2 \rightarrow 2H_2O + O_2$





Reactants

of Oxygens in Reactants _____

of Hydrogens in Reactants _____

Products

of Oxygens in Products _____

of Hydrogens in Products _____

Station 4: $4Fe + 3O_2 \rightarrow 2Fe_2O_3$





Reactants

of Irons in Reactants _____

of Oxygens in Reactants _____

Products

of Irons in Products _____

of Oxygens in Products _____