Name:_____

STOICHIOMETRY - 1,2,3-Step

1. Calculate the number of **moles CO_2** produced by the reaction of **8.45 moles of C.**

$$2Fe_2O_3 + 3C \rightarrow 4Fe + 3CO_2$$

=

2. Calculate the **grams of carbon** required to produce **5.67 g of iron.**

$$2Fe_2O_3 + 3C \rightarrow 4Fe + 3CO_2$$

=

3. Calculate the amount of **oxygen in grams** produced by the reaction of **125 L of water.**

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

=

4. Calculate the number of **molecules of CO_2** produced by the reaction of **2.45×10^5 representative particles of iron (III) oxide.**

$$2Fe_2O_3 + 3C \rightarrow 4Fe + 3CO_2$$

=

LIVEWORKSHEETS