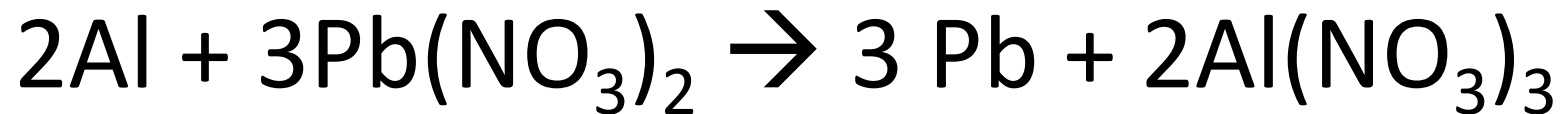
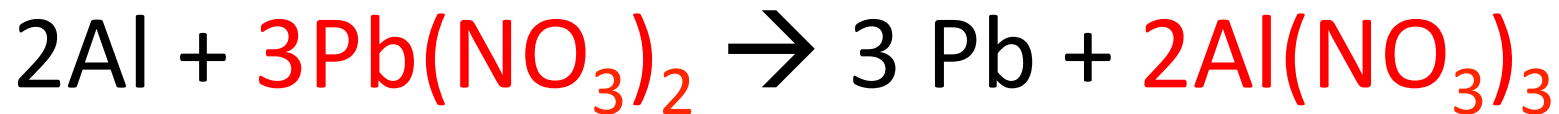


Stoichiometry

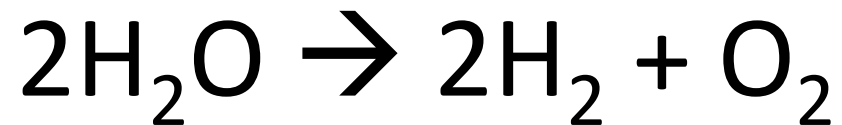
- Mole to Mole – Use Mole Ratio
- Mole to Mass – Use Mole Ratio then multiply by Molar Mass
- Mass to Mole – Divide by Molar Mass then use Mole Ratio
- Mass to Mass – Divide by Molar Mass, then Mole Ratio, and finally multiply by the other Molar Mass



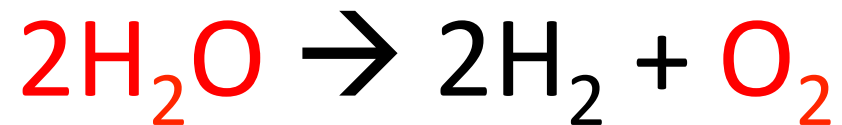
- If 6 moles of lead (II) nitrate react with aluminum, how many moles of aluminum nitrate will be yielded?



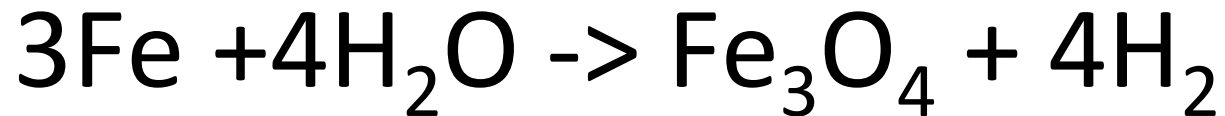
- If 6 moles of lead (II) nitrate react with aluminum, how many moles of aluminum nitrate will be yielded?



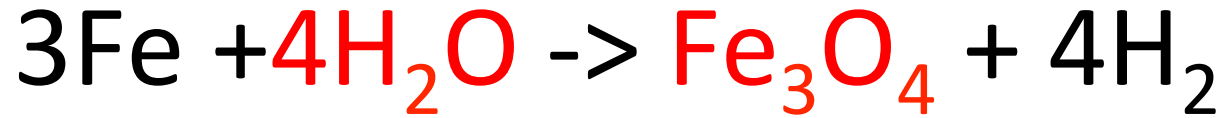
- If 12 moles of water decomposes, how many grams of oxygen will be yielded?



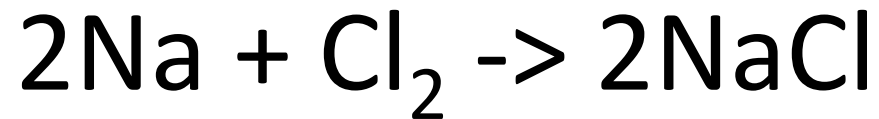
- If 12 moles of water decomposes, how many grams of oxygen will be yielded?



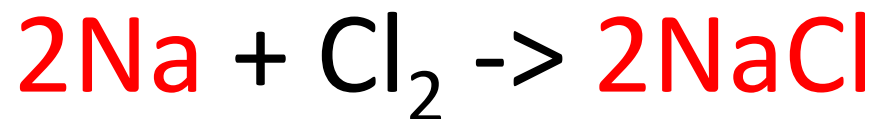
- If 50 grams of iron oxide are yielded, how many moles of water are needed to react with iron?



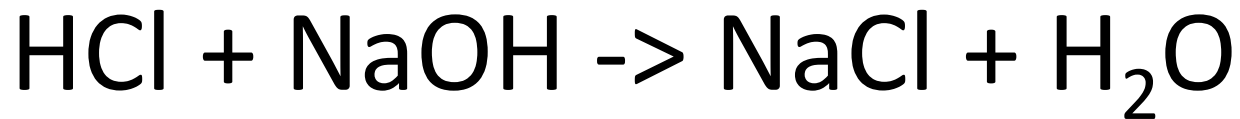
- If 50 grams of iron oxide are yielded, how many moles of water are needed to react with iron?



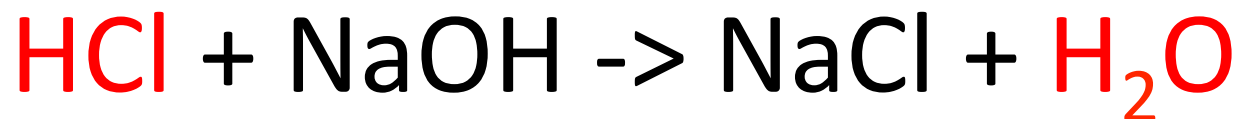
- If 100 grams of sodium react with chlorine gas, how many grams of sodium chloride are yielded?



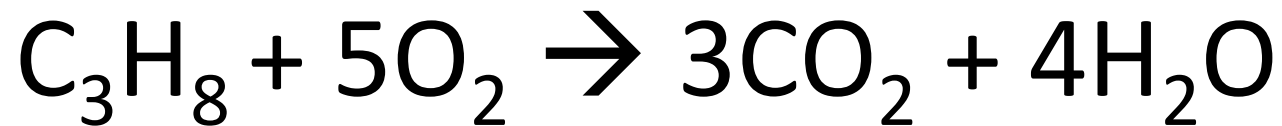
- If 100 grams of sodium react with chlorine gas, how many grams of sodium chloride are yielded?



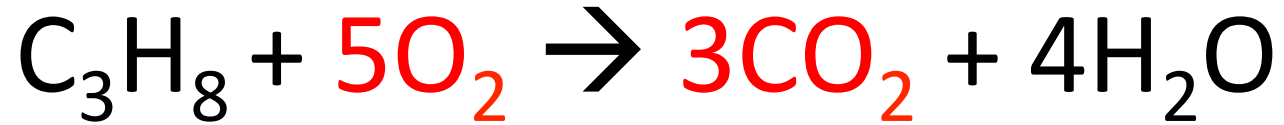
- If 25 grams of hydrochloric acid react with sodium hydroxide, how many grams of water are yielded?



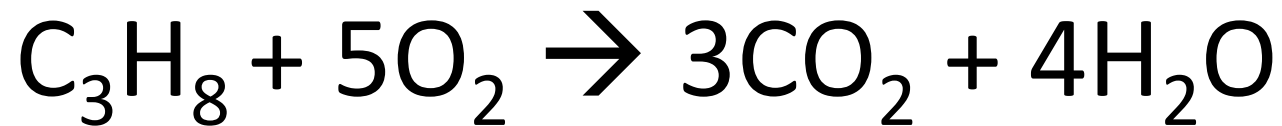
- If 25 grams of hydrochloric acid react with sodium hydroxide, how many grams of water are yielded?



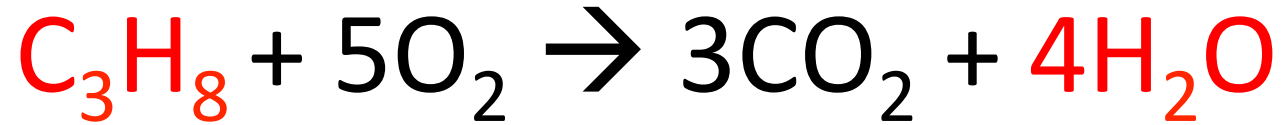
- How many moles of oxygen are needed to produce 12 moles of carbon dioxide?



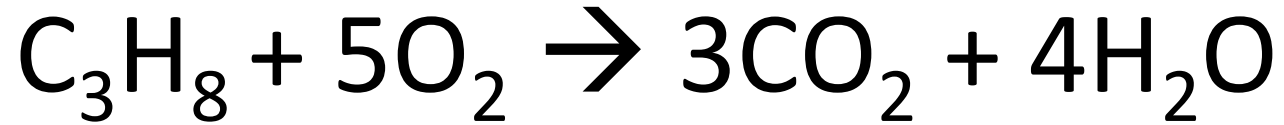
- How many moles of oxygen are needed to produce 12 moles of carbon dioxide?



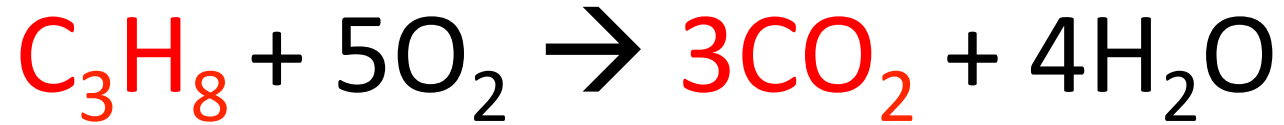
- How many moles of propane are needed to produce 12 moles of water?



- How many moles of propane are needed to produce 12 moles of water?



- How many grams of propane are needed to produce 13.5 moles of carbon dioxide?



- How many grams of propane are needed to produce 13.5 moles of carbon dioxide?