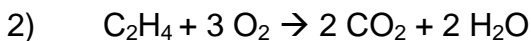


Mass to Mass Stoichiometry Problems

In the following problems, calculate how much of the indicated product is made. Show all your work.



If you start with 10.0 grams of lithium hydroxide, how many grams of lithium bromide will be produced?



If you start with 45 grams of ethylene (C_2H_4), how many grams of carbon dioxide will be produced?



If you start with 5.5 grams of sodium fluoride, how many grams of magnesium fluoride will be produced?



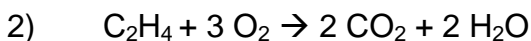
If you start with 20 grams of hydrochloric acid, how many grams of sulfuric acid will be produced?

Mass to Mass Stoichiometry Problems – Answer Key

In the following problems, calculate how much of the indicated product is made. Show all your work.



If you start with 10.0 grams of lithium hydroxide, how many grams of lithium bromide will be produced? **36.3 grams**



If you start with 45 grams of ethylene (C_2H_4), how many grams of carbon dioxide will be produced? **140 grams**



If you start with 5.5 grams of sodium fluoride, how many grams of magnesium fluoride will be produced? **4.1 grams**



If you start with 20 grams of hydrochloric acid, how many grams of sulfuric acid will be produced? **30 grams (rounded from 27 grams for significant figures)**