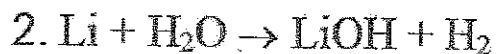
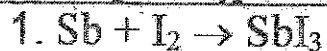


Chem 11 Recap—Things you will need for Chem 122



Balancing and Types of reactions



Mole Calculations

Calculate the molar mass of:

a) carbon dioxide

b) ammonium dichromate

c) octane ( $\text{C}_8\text{H}_{18}$ )

d) Convert 0.16 mol of sodium hydroxide to an amount in grams

e) Convert 125mg of potassium permanganate into moles.

Predicting Products

State type of reaction, predict products and balance the following reactions.

a.

aluminum + oxygen  $\rightarrow$

b.

zinc + hydrochloric acid  $\rightarrow$

c.

sulfuric acid + sodium hydroxide  $\rightarrow$

d.  $\text{Hg}_2\text{O} \rightarrow$

e.  $\text{C}_2\text{H}_6 + \text{O}_2 \rightarrow$