Mass-Mass Stoichiometry Problems Chemistry Name: _____

Date: _____ Hour: _____

Answer the following questions. You must show work to receive credit. DON'T FORGET TO BALANCE THE EQUATION!!

1. If 20.0 g of magnesium react with excess hydrochloric acid, how many grams of magnesium chloride are produced?

 $Mg + HCl ----> MgCl_2 + H_2 \qquad [78.3 g]$

type? _____

8. How many grams of oxygen are needed to completely react with 4.62 grams of methane?

 $CH_4 + O_2 ----> CO_2 + H_2O$ [18.4 g]

type?_____