

Participation Assignment

CHEM 1090-General Chemistry I

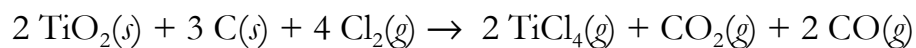
Name:

#9

Section: 31, MWF

Due Date: Friday 10/27/2017

1a. Calculate the mass in grams of titanium(IV) chloride, TiCl_4 , produced when 9.70×10^8 g TiO_2 , are reacted with an excess of carbon and chlorine:



1b. If 2.17×10^9 g $\text{TiCl}_4(g)$ are actually produced, what is the percent yield?