

Participation Assignment

CHEM 1090-General Chemistry I

Name:

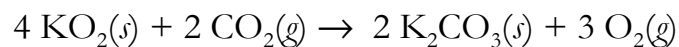
#8

Section: 32, MWF

Due Date: Wednesday 1/31/2018

1. A sample with a mass of 8.119 g contains 5.875 g iron and 2.244 g oxygen. What is the empirical formula?

2. Answer both parts using the following chemical equation:



a. Calculate the mass of O_2 produced from 8.000 g CO_2 and an excess of KO_2 .

b. Calculate the mass of O_2 produced from 8.000 g KO_2 and an excess of CO_2 .