

# Preclass Assignment

## CHEM 1090-General Chemistry I

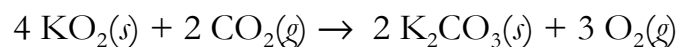
Name:

#5

Section: 32, TR

Due Date: Tuesday 10/30/2018

1. Use the following chemical equation:



a. Calculate the mass of  $\text{O}_2$  produced from 8.000 g  $\text{CO}_2$  and an excess of  $\text{KO}_2$ .

b. Calculate the mass of  $\text{O}_2$  produced from 8.000 g  $\text{KO}_2$  and an excess of  $\text{CO}_2$ .

c. What is the mass of  $\text{O}_2$  that can be produced from 8.000 g  $\text{KO}_2$  and 8.000 g  $\text{CO}_2$ ? Justify your answer with a brief written explanation.