

Participation Assignment

CHEM 1100-General Chemistry II

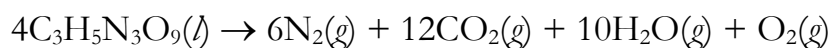
Name:

#1

Section: 31, TR

Due Date: Tuesday 1/14/2020

1. Nitroglycerin decomposes according to the following equation:



a. Calculate the molar masses for nitroglycerin, carbon dioxide, and water.

b. Given 175 g nitroglycerin, calculate the mass of carbon dioxide produced.

2. What is the molarity of a solution made by dissolving 2.796 g KCl in enough water to make 250.0 mL of solution?

3. A sample of 6.44 g naphthalene, C_{10}H_8 , is dissolved in 80.1 g benzene, C_6H_6 . What is the mass fraction of each component in this solution?