

Participation Assignment

CHEM 1090-General Chemistry I

Name:

#7

Section: 32, TR

Due Date: Tuesday 10/24/2017

1. A 100.0 g sample contains the following elements by mass:

24.5 g sodium

14.9 g silicon

60.6 g fluorine

Calculate the empirical formula of this compound.

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

3. Calculate the mass of carbon, in grams, that is produced when 25.000 g sucrose decomposes:

