Name: _____ Mr. Leal
Date: _____ Per: _____ Chemistry - 11/12/2012

Stoich WS 3 - Practice Mix

1. Propane, C_3H_8, burns in oxygen to produce carbon dioxide and water. What mass of propane could be combusted by 8.35 mol of oxygen?

2. Limestone, $CaCO_3$, can be decomposed with heat to form lime, CaO, and carbon dioxide. What amount of lime would be formed from the decomposition of 20.1 kg of limestone?

3. Oxygen gas is created by the decomposition of HgO. What amount in moles of Oxygen could be made if 216.59 g of HgO is decomposed?

4. What mass in grams of Na is needed to synthesize 5.05 grams of Na_2S from its elements?

5. The combustion of 1.5 L of ethanol (C_2H_5OH) produces what mass in grams of water. The density of ethanol is 0.7893 g / ml.