

CHEMISTRY

QUIZ: Moles and Stoichiometry (A)

Name _____

Period _____ Date _____

SHOW YOUR WORK to receive credit!!

1. Find the molar mass of these compounds.

_____ a. CaCO_3

_____ b. Mg (s)

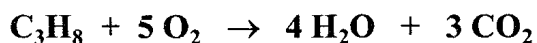
_____ c. Fe_2O_3

_____ 2. How many moles are in 7.775 g of CaCO_3 ?

_____ 3. What is the mass in grams of 0.125 moles of NH_4Cl ?

_____ 4. Find the mass of 0.455 moles of neon.

B. Use the following equation to answer the questions below. Use rates for calculations.



_____ 5. What is the mole ratio of CO_2 / O_2 ?

_____ 6. How many moles of carbon dioxide gas can be produced from 1.25 moles of propane (C_3H_8)?

_____ 7. How many grams of water can be produced if 145 g of oxygen gas reacts with the propane?

_____ 8. How many moles of oxygen gas are needed to produce 12.5 g of carbon dioxide?