

CHEMISTRY

QUIZ: Moles and Stoichiometry (C)

Name _____

Period _____ Date _____

SHOW YOUR WORK to receive credit!!

1. Find the molar mass of these compounds.

_____ a. $C_{12}H_{22}O_{11}$

_____ b. Na_2CO_3

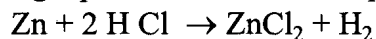
_____ c. $Al_2(SO_4)_3$

_____ 2. How many moles are in 4.25 g of $C_{12}H_{22}O_{11}$?

_____ 3. What is the mass in grams of 0.345 moles of $Al_2(SO_4)_3$?

_____ 4. Find the mass of 0.763 moles of Gallium.

Use the following equation to answer the questions below:



_____ 5. What is the mole ratio of Zn/HCl?

_____ 6. How many moles of HCl can be produced from 1.21 moles of Zn?

More problems:

_____ 7. How many grams of O_2 are required to react completely with 14.6 g of Na to form sodium oxide, Na_2O ?

_____ 8. When 20.4 g of sodium metal are mixed with chlorine gas, how many g of NaCl are produced?