CHEMISTRY   Name _____
QUIZ: Moles and Stoichiometry (B)   Period _____ Date _____

SHOW YOUR WORK to receive credit!!

1. Find the molar mass of these compounds.
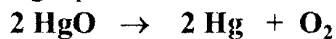
_____ a. $BeCl_2$

_____ b. C_2H_2 (acetylene)

_____ c. Cr

_____ 2. How many moles are in 3.555 g of C_2H_2?

_____ 3. What is the mass in grams of 0.285 moles of $BeCl_2$?

_____ 4. Find the mass of 0.824 moles of krypton.

Use the following equation to answer the questions below:

$$2\,HgO \;\rightarrow\; 2\,Hg \;+\; O_2$$

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

_____ 6. How many moles of oxygen gas can be produced from 0.400 moles of mercury (II) oxide?

_____ 7. How many grams of mercury can be produced if 18.0 g of mercury (II) oxide decomposes?

_____ 8. How many moles of mercury (II) oxide are needed to produce 65.00 g of mercury?