

CHEMISTRY

QUIZ: Mole Calculations (B)

Name \_\_\_\_\_

Period \_\_\_\_\_ Date \_\_\_\_\_

SHOW YOUR WORK!!

Find the molar mass of these compounds.

\_\_\_\_\_ a.  $\text{BeCl}_2$

\_\_\_\_\_ b.  $\text{C}_2\text{H}_2$  (acetylene)

\_\_\_\_\_ 2. How many moles are in 3.555 g of  $\text{C}_2\text{H}_2$ ?

\_\_\_\_\_ 3. What is the mass in grams of 0.285 moles of  $\text{BeCl}_2$ ?

\_\_\_\_\_ 4. How many molecules are in 12.5 moles of uranium ?

\_\_\_\_\_ 5. Find the mass of 0.824 moles of krypton.

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1. Find the molar mass of these compounds.

\_\_\_\_\_ a.  $\text{Mg}(\text{OH})_2$

\_\_\_\_\_ b.  $\text{C}_6\text{H}_{12}\text{O}_6$  (glucose)

\_\_\_\_\_ 2. How many moles are in 18.4 g of  $\text{C}_6\text{H}_{12}\text{O}_6$ ?

\_\_\_\_\_ 3. What is the mass in grams of 0.843 moles of  $\text{Mg}(\text{OH})_2$ ?

\_\_\_\_\_ 4. How many molecules are in 4.36 moles of  $\text{AgCl}$  ?

\_\_\_\_\_ 5. Find the mass of 0.0125 moles of argon.