

CHEMISTRY

QUIZ: Mole Calculations (A)

Name \_\_\_\_\_

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

SHOW YOUR WORK!!

1. Find the molar mass of these compounds.

\_\_\_\_\_ a. AgCl

\_\_\_\_\_ b. C<sub>3</sub>H<sub>8</sub> (propane)

\_\_\_\_\_ 2. How many moles are in 8.693 g of AgCl?

\_\_\_\_\_ 3. What is the mass in grams of 2.65 moles of NH<sub>4</sub>Cl?

\_\_\_\_\_ 4. How many molecules are in 1.50 moles of potassium?

\_\_\_\_\_ 5. Find the mass of 0.0333 moles of tungsten.

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1. Find the molar mass of these compounds.

\_\_\_\_\_ a. CaCO<sub>3</sub>

\_\_\_\_\_ b. C<sub>4</sub>H<sub>10</sub> (butane)

\_\_\_\_\_ 2. How many moles are in 7.775 g of CaCO<sub>3</sub>?

\_\_\_\_\_ 3. What is the mass in grams of 0.125 moles of NH<sub>4</sub>Cl?

\_\_\_\_\_ 4. How many molecules are in 3.50 moles of C<sub>4</sub>H<sub>10</sub> ?

\_\_\_\_\_ 5. Find the mass of 0.455 moles of neon.