

Name _____

Date _____

Chemistry Mole Quiz

A. Find the molar mass of each of the following compounds.

1. KCl

2. BaCl₂

3. Ca(NO₃)₂

B. Find the mass in grams of the following compounds.

1. 2.00 mole of MgO

2. 5.00 mol of CaCl₂

3. 0.50 mol of FeBr₂

C. Find the number of moles of the following compounds.

1. 18.02 g of H₂O

2. 17.04 g of NH₃

3. 190.42 g of MgCl₂

D. How many molecules are in the following compounds?

1. 2.0 mol of CCl₄

2. .005 mol of C₆H₁₂O₆

3. 4.5 g of CO₂

Extra credit: What is the mass in grams of one atom of carbon?