Introduction to Chemistry Name:_____
Quiz 8c Date:_____

Molar Mass, mass percent = (mass solute / mass solution) * 100%
Solution Chemistry, Molarity= moles solute / liters solution
$N_0 = 6.02 \times 10^{23}$ particles/mol

1. Calculate the molar mass of calcium chloride dihydrate: $CaCl_2 \cdot 2H_2O$

2. How many atoms are in 0.35 mol of the element lithium?

3. Calculate the molar concentration of a solution containing 10.00 g of calcium chloride dihydrate – $CaCl_2 \cdot 2H_2O$ – in 250 mL of solution?

4. Calculate the mass percent of 11.0 g of sugar added to 88.0 grams of water.

Fold quiz with your work inside, then write your name on the outside.