MOLE CONVERSIONS The mass of a mole varies by Mass of 12 Donuts = Mass of 12 Calvote Salar Mass = 1 mole

mic mass Mass = $1 \text{ mole} = 6.02 \times 10^{23}$ EXAMPLES: atomic mass The Molar Mass How many grams are in 3.5 moles of K? of one Carbon atom molar mass = 12.001 g/ mole To calculate the molar mass of a compound or molecule, add up all of the individual atoms. Calculate the number of moles in 259 of H20. EXAMPLE: What is the molar mass of H20? How many atoms are present in 2 moles of C?