Download Calculate Moles Of Elements

Find the molar mass of the solute. To calculate the number of moles from the mass or grams of solute used, you must first determine the molar mass of the solute. This can be done by adding together the separate molar masses of each element found in the solution.Solubility is measured either in grams per 100 g of solvent – g/100 g – or number of moles per 1 L of the solution. As an example, calculate the solubility of sodium nitrate, NaNO 3, if 21.9 g of the salt is dissolved in 25 g of water.Based on this calculation, the final volume of the NaNO 3 saturated solution is 55 ml. Solubility indicates the maximum amount of a substance that can be ...Solve the equation for the unknown quantity; if u = g/mole and you have a number for u and g, then the number of moles is your target. Multiply everything through by the divisor to isolate the unknown quantity and you will reach an equation that looks like this: mole = g ÷ u, where g equals the sample's weight in grams and u equals the element's atomic weight in atomic mass units.Moles are a standard unit of measurement in chemistry that take into account the different elements in a chemical compound. Often, amounts of compounds are given in grams and need to be converted to moles.