

Download Calculate Moles Of Elements

Calculating Moles Moles and Elements. We can compare the masses of all the other atoms with the mass of carbon atoms and this is the basis of the relative atomic mass scale. Chemists have found by experiment that relative atomic mass of an element in grams always contains 6×10^{23} or one mole of its atoms. Multiply the number of atoms each element contributes to the compound by the atomic weight of that element. Add the total weight of each element in the compound together. For example, $(\text{NH}_4)_2\text{S}$ has a molecular weight of $(2 \times 14.01) + (8 \times 1.01) + (1 \times 32.07) = 68.17$ g/mol. Molecular mass is also ...