

Mole-

Avogadro's Number

Name	Molar Mass	mass in 1 mol	mass of 2 mols	mass of 3 mols	mass of $\frac{1}{2}$ mol	mass of $\frac{1}{4}$ mole
O						
He						
H						
S						
Ar						
NO						
NO ₂						
CO ₂						
H ₂ O						
H ₂ O ₂						

123.4 grams of O = ? moles of O

0.000 345 grams of He = ? moles of He

689.5 grams of H = ? moles of H

4 grams of S = ? moles of S

34.789 grams of Ar = ? moles of Ar

3.4 moles of NO = ? grams of NO

0.000 54 moles of NO₂ = ? grams of NO₂

345.45 moles of CO₂ = ? grams of CO₂

54.6 moles of H₂O = ? grams of H₂O

2.2 moles of H₂O₂ = ? grams of H₂O₂

123.4 moles of O = ? atoms of O

6×10^{40} atoms of He = ? moles of He

689.5 moles of H_2O = ? molecules of H_2O

4800 molecules of SO = ? moles of SO

[Answer Key](#)