

Moles and Avogadro's Number

To get full credit for each problem please show all your work and answers

How many atoms are present in 34.69 moles of Mg?

How many atoms are present in 0.529 moles of Li?

How many moles of Mn are present in 4.09×10^{24} atoms of Mn?

Molecules in 5.00 moles of nitrogen gas.

Molecules in 8.78 moles of oxygen gas.

Atoms in 4.89 moles of calcium.

Atoms in 6.0 moles of nitrogen gas.

If you have 4.5×10^{20} molecules of SnO₂, how many moles do you have?

How many moles are in 2.5×10^{23} molecules of C_2H_6O ?

How many atoms are in 2.5×10^{23} molecules of C_2H_6O ?