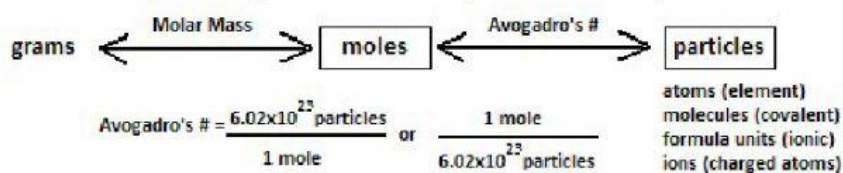


Mole Conversions Worksheet (moles to particles or grams)
one step problems

Name: _____

Directions: Show ALL of your work. Make sure to include units!!!!

Mole-Particle Conversions (use Avogadro's number for your conversions)



1. How many **moles** of magnesium are in 5.01×10^{22} atoms of magnesium?

Final Answer:

2. How many **molecules** are there in 8.00 moles of glucose, $\text{C}_6\text{H}_{12}\text{O}_6$?

Final Answer:

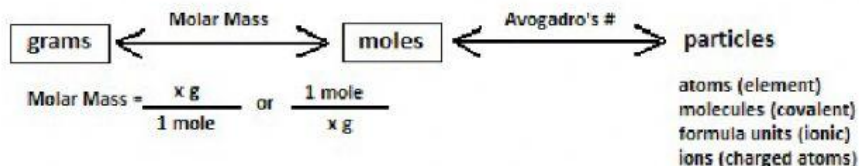
3. How many **moles** are 3.20×10^{25} formula units of calcium iodide?

Final Answer:

4. How many **formula units** are in 62.5 moles of calcium phosphate?

Final Answer:

Mole-Mass Conversions (use the molar mass from the periodic table for your conversions)



1. How many **moles** are in 28 grams of CO_2 ?

Final Answer:

2. What is the **mass** of 5.0 moles of Fe_2O_3 ?

Final Answer:

3. Find the number of **moles** of argon in 452 g of argon.

Final Answer:

4. How many **grams** are in 3.45 moles of CO_2 ?

Final Answer: