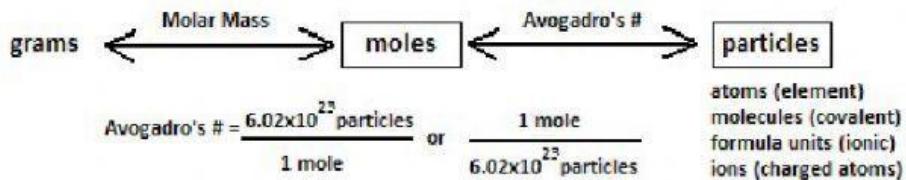


Mole Conversions Worksheet (moles to particles or grams)
one step problems

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, C₆H₁₂O₆**?

Final Answer:

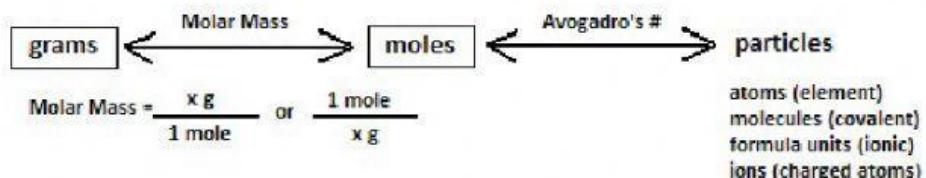
3. How many **moles** are 3.20×10^{25} formula units of calcium iodide?

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 CO₂**?

Final Answer:

2. What is the **mass** of **5.0 moles of Fe₂O₃**?

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 CO₂**?

Final Answer: