Topics	Skills
The mole	- Know how many items are in a mole and how big a mole really is!
Avogadro's Number	-Know what Avogadro's Number is - Know the units for Avogadro's # - Know that particles is generic for things like molecules, atoms, compounds, ions, etc
Molar Volume	- Know what the value for molar volume is - Know the units for molar volume - Know that molar volume is always the same no matter what the gas is (if it is at the right temperature and pressure)
Molar Mass	- Know what molar mass is and what the units for molar mass - Be able to calculate molar mass
Molar Conversions	-Be able to convert from grams→ moles → molecules and backwards - Be able to use density and molar volume inside a molar conversion
The Mole Ratio	- Understand that the mole ratio helps us convert from a reactant to a product and vice versa - Know that the mole ratio is always B/A (what you want over what you have) - Be able to use the mole ratio in a calculation
Stoichiometry	- Know that Stoichiometry is the combination of molar conversions and using the mole ratio to perform calculations with balanced equations - Be able to perform a Stoichiometry problem from grams A→ moles A → moles B → grams A; or molecules instead of grams. - Be able to perform Stoichiometry problems with extra conversion steps, like using density, molar volume, metric conversions, etc.

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