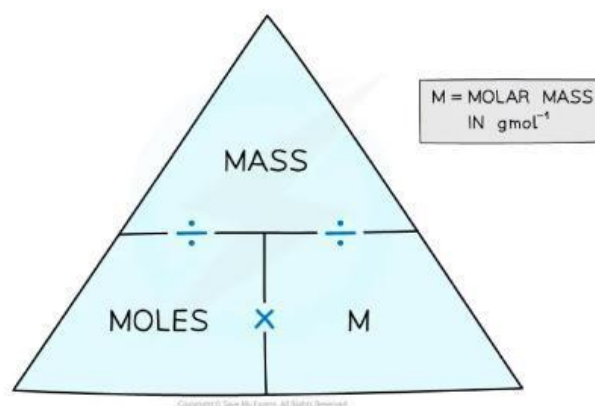


Part 1: Counting Atoms

H ₂ O	# of atoms	NaCl	# of atoms	O ₂	# of atoms	CaCO ₃	# of atoms	C ₆ H ₁₂ O ₆	# of atoms
H		Na		O		Ca		C	
O		Cl				C		H	
						O		O	

Part 2: Molar Mass: Use the information above and your new periodic table to calculate the molar mass of all five compounds.

1. H₂O g/mol
2. NaCl g/mol
3. O₂ g/mol
4. CaCO₃ g/mol
5. C₆H₁₂O₆ g/mol



Part 3: Mole Mass Conversions: Use your mole to mass triangle (see above) and molar masses to solve the following:

1. Convert 5.00 moles of H₂O to grams.
2. Convert 20.0 grams of NaCl to moles.
3. Convert 3.50 moles of O₂ to grams.
4. Convert 15.0 grams of CaCO₃ to moles.
5. Convert 2.00 moles of C₆H₁₂O₆ to grams.