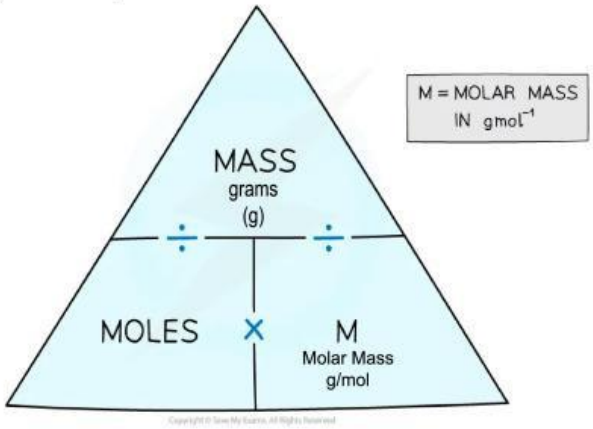
Part 1: Counting Atoms

$CaBr_2$	# of atoms	H_2SO_4	# of atoms	Cl_2	# of atoms	C_8H_{18}	# of atoms	$NaHCO_3$	# of atoms
Ca		H		Cl		C		Na	
Br		S				H		H	
		O						C	
								O	

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

1. **$CaBr_2$** g/mol
2. **H_2SO_4** g/mol
3. **Cl_2** g/mol
4. **C_8H_{18}** g/mol
5. **$NaHCO_3$** g/mol



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

1. Convert 3.00 moles of **$CaBr_2$** to grams.
2. Convert 10.0 grams of **H_2SO_4** to moles.
3. Convert 3.5 moles of **Cl_2** to grams.
4. Convert 22 grams of **C_8H_{18}** to moles.
5. Convert 1 mole of **$NaHCO_3$** to grams.