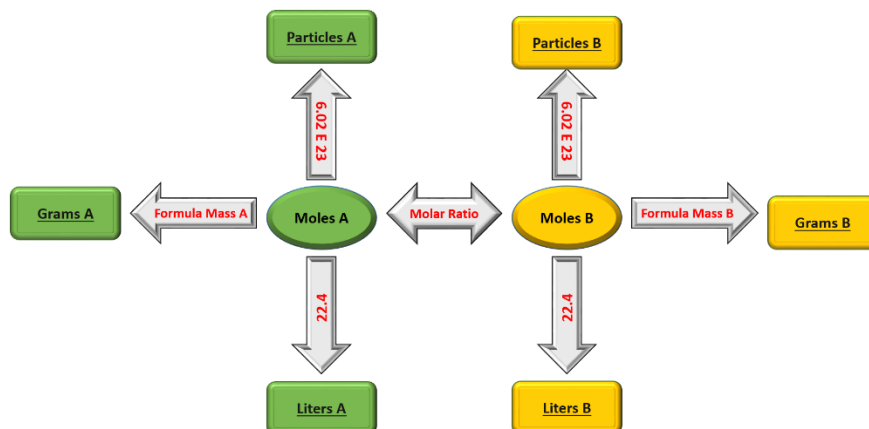


Key Q's and Vocab – Stoichiometry

Vocab:

1. **Stoichiometry** – mathematical conversion between the atomic scale and the macroscopic scale using the value of a mole
2. **Avogadro's number** – 6.023×10^{23} , comes from the relationship between the number of carbon-12 atoms in a 12.00 gram sample of carbon
3. **Stoichiometry map** -



Key Questions:

1. Explain how we can use the mass of water and the mass of carbon dioxide to determine the percent composition by mass of a hydrocarbon.
2. Explain why there is always a numerical relationship between the mass of a sample, the number of moles present and the number of particle present in a sample.
3. Explain the difference between an amu and g/mol.