

4.4 Calculations Involving the Mole Concept

Definitions:

- n = number of moles
- m = mass
- M = molar mass
- N = number of particles
- N_A = Avogadro's number

Converting Mass to Amount in Moles

- $n = \frac{m}{M}$
- E.g. We will do Practice Q 1 in class.

Converting Amount of Moles to Mass

- $m = nM$
- E.g. We will do Practice Q 5 in class.

Calculations Involving Number of Entities

- $N = nN_A$
- E.g. We will do Practice Q 12a in class.

Homework

- Practice Q's: 1-14
- Section Q's: 1-5