

Expressing Concentration

Concentration: the amount of solute per quantity of solvent.

1. Mass/Volume $\%$ (M/V) =

2. Mass/Mass $\%$ (M/M) =

3. Volume/Volume $\%$ (V/V) =

4. Parts per million (ppm) =

5. Parts per billion (ppb) =

6. Molar concentration (C) =

Ex 1. 162.3 g of salt is added to 837 ml of water.
What is the molar concentration?

Ex 2. You want to make 60 ml of 0.25 mol/L NaOH.
What mass of NaOH do you need?