**Solution Chemistry Notes**

A solute is dissolved in a solvent to form a solution.

Solute

* the component in a solution that is in the lesser amount

Solvent

* the component in a solution that is in the greater amount
* usually water (the universal solvent)

Solution

* a homogeneous mixture of 2 or more substances ( \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_ )

e.g. air--gas in gas 78 % \_\_\_\_\_\_\_\_\_ and 21 % \_\_\_\_\_\_\_\_\_ et al

salt water--solid in liquid

gold jewellery--solid in solid

**Dilute Solution**

* small amounts of solute are dissolved

**Concentrated Solution**

* large amounts of solute are dissolved

**Concentration**

* how much solute is dissolved to make a certain volume of solution

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* different units can be used to measure concentration

**g/L**

**mol/L**

**ppm**

**% mass/mass**

**% volume/volume**

**% mass/volume**