

Can water dissolve any amount of a substance?

Solubility: The amount of substance (solute) can dissolve in a given solvent under the specified condition of temperature and pressure.

Every liquid dissolves a solute in a fixed amount. If the quantity of the solute increases it remains undissolved. Also a liquid dissolves different solids in different amounts. Perhaps we can dissolve more amount of solid in a liquid even after the saturation point has reached by heating the solution.

A solution that contains the maximum amount of solute that a solvent can dissolve in it is a **saturated solution**.