

Rate of Solution

Factor	Affect on Solid Solute	Affect on Gaseous Solute
<i>Particle Size</i>	reducing particle size by crushing increases the rate by increasing surface area	not applicable
<i>Stirring</i>	increases the rate by exposing fresh solvent to solute and increasing kinetic energy	decreases the rate by increasing kinetic energy, thereby reducing solubility
<i>Amount of dissolved solute</i>	as the amount of dissolved solute increases, the rate decreases	as the amount of dissolved solute increases, the rate decreases
<i>Temperature</i>	as the temperature increases, the rate increases	as the temperature increases, the rate decreases