

### Factors Affecting Rates of Reaction

- The rate of reaction depends on how often particles bump into one another.
- The faster they collide the faster the reaction happens.

Factor		Why	Effect
Temperature	Cold	Molecules close together & move slowly	Slower
	Hot	Molecules far apart & move quickly	Faster
Particle Size	Large	Solvent can touch fewer particles	Slower
	Small	Solvent can touch more particles	Faster
Concentration	Weak	Fewer particles dissolved	Slower
	Strong	More particles dissolved	Faster
Catalyst	None	Molecules not facing the right way	Slower
	Present	Helps molecules face the right way	Faster