

Solubility (sol.)

Def:

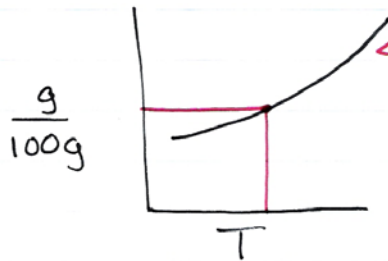
- physical property
- ability to dissolve

↑ solubility of a solid by ↑ T
 ↓ " " " gas " "

Factors affecting sol.

- | | |
|-----------------|---------------|
| • T | ↑ T ↓ sol (s) |
| • particle size | ↓ size ↑ sol |
| • amount | ↓ amt ↑ sol |
| • stirring | ↑ sol |

Graphs



$100\text{g H}_2\text{O} = 100\text{ml H}_2\text{O}$

because $D = \frac{1.00\text{g}}{1.00\text{mL}}$

* Not all straight lines