

20.1 Definition of a Solubility Product (Video)

This project was preformed to supply **Libretext Authors** with videos on General Chemistry topics which can be used to enhance their projects. Also, these videos are meant to act as a learning resource for **all General Chemistry students**.

Video Topics

Solubility product: A measure of how soluble an insoluble salt is in water.

Salt is defined as a metal and a non-metal bond together using ionic bonds.

Salts are considered partially soluble salts if they do not disassociate 100% in an aqueous solution.

The equilibrium of an insoluble salt and its ions in a saturated solution is called a solubility product.

For the insoluble salt: $\text{AgBr}_{(s)} \rightleftharpoons \text{Ag}^+_{(aq)} + \text{Br}^-_{(aq)}$

The equilibrium expression is: $K_{sp} = \{\text{Ag}^+\}\{\text{Br}^-\}$

Link to Video

Definition of a Solubility Product: https://youtu.be/VzxSmH_iwHE



Attribution

- Prof. Steven Farmer ([Sonoma State University](#))

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