A solvolysis is an aliphatic nucleophilic substitution reaction in which the solvent functions as the nucleophile.

eg:

\[
\text{CH}_3\text{Br} + \text{H}_2\text{O} \xrightarrow{\text{excess}} \text{CH}_3\text{OH} + \text{Br}^-
\]

Water is the nucleophile as well as solvent in this reaction.

**Contributors**

- [Gamini Gunawardena](http://www.chempal.com) from the [OChemPal site](http://www.chempal.com) ([Utah Valley University](http://www.chempal.com))