

16.4 Initial Rates and Rate Law Expressions (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

For the reaction $A + B \rightarrow C$: Rate of reaction = $k[A]^m[B]^n$ m & n are independent of the reaction equation. The reaction order must be found experimentally. They cannot be found from reaction stoichiometry. m and n are found using a series of experiments where the concentrations of reactants are changed and the initial reaction rates are measures. This videos contains an example problem where m & n are found for a reaction.

Link to Video

Initial Rates and Rate Law Expressions: <https://youtu.be/VZl5dipsCEQ>



Attribution

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

16.4 Initial Rates and Rate Law Expressions (Video) is shared under a [not declared](#) license and was authored, remixed, and/or curated by LibreTexts.