

6.13 Graham's law of Diffusion and Effusion (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

Diffusion is the gradual mixing of the molecules of two or more gases owing to their molecular motions. Effusion is the escaping of gas molecules through a small opening into an empty compartment. Graham's law says that $(\text{Rate of effusion gas 1} / \text{Rate of effusion gas 2}) = (\text{M of gas 2} / \text{M of gas 1})^{1/2}$ M = molar mass of the gases. Also, the units for the rate of effusion are not defined. Virtual any unit can be used including mol/unit of time, mol, or meters. This video contains a sample problem, which discusses these concepts.

Link to Video

Graham's law of Diffusion and Effusion: <https://youtu.be/9HO-qgh-iGI>



Attribution

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

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