

15.8 Osmotic Pressure (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

Osmosis is the movement of water molecules across a semi-permeable membrane from a region of high concentration to a region of lower concentration until a state of equilibrium is reached.

Osmotic pressure is the pressure applied by a solution to prevent the inward flow of water across a semi-permeable membrane.

$\pi = iMRT$

π = Osmotic pressure (atm)

M = Molarity of solute (Mol/L or M)

R = 0.08205 L atm/Mol K

T = Temperature in K

Link to Video

Osmotic Pressure: <https://youtu.be/uYQxI4mi3DA>



Attribution

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

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