

21.5 The Standard Hydrogen Electrode (SHE) (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

The Standard Hydrogen Electrode (SHE)

The **SHE** is the standard 1/2 cell reaction against which all other are measured.

It uses a platinum electrode with the following half reaction $2 \text{H}^+ + 2 \text{e}^- / \text{H}_{2(\text{g}, 1 \text{ bar})}$

$E^\circ = 0 \text{ V}$ for this half reaction . The half cell diagram for the SHE is $\text{Pt} | \text{H}_{2(\text{g}, 1 \text{ bar})} | \text{H}^+ \text{úú}$

Link to Video

The Standard Hydrogen Electrode (SHE): <https://youtu.be/GS-SE7IDDtY>



Attribution

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

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