

19.9 Comparison of Strong Acid/Strong Base and Weak Acid/Strong Base pH Curves (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

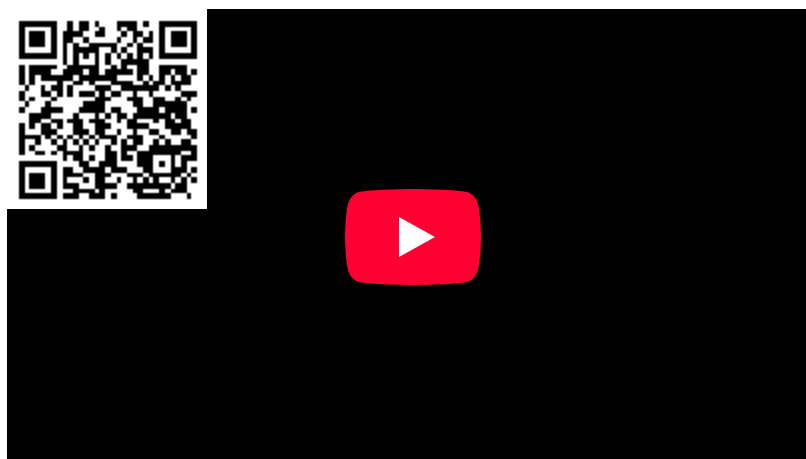
The video contains a **Comparison of Strong Acid/Strong Base and Weak Acid/Strong Base pH Curves**

Some Points:

- 1) The initial pH of a SA/SB titration curve is lower.
- 2) The buffer region in the WA/SB titration curve is ± 1 of the pK_a for HAc. $pK_a = 4.74$.
- 3) In the WA/SB titration curve, the $pH > 7$ at the equivalence point.
- 4) In a SA/SB titration curve, the $pH = 7$ at the equivalence point.
- 5) In both titration curves the pH rises quickly after the equivalence point is reached.

Link to Video

Comparison of Strong Acid/Strong Base and Weak Acid/Strong Base pH Curves: <https://youtu.be/AcXqhyKDkiM>



Attribution

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

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