

## 19.6 The Change in pH with the Addition of a Strong Base to a Buffer (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

This video contains the sample problem below were the pH of a buffer is calculated after the addition of a known amount of a strong base.

Say you have a 1.00 L of an acetic acid / sodium acetate buffer.

If the initial {HAc} is 0.700 M and the initial {Ac<sup>-</sup>} is 0.600 M.

What would be the pH if 10.0 mL of 1.0 M NaOH was added to the buffer?

### Link to Video

The Change in pH with the Addition of a Strong Base to a Buffer: <https://youtu.be/g772o-SpG18>



### Attribution

- Prof. Steven Farmer (Sonoma State University)

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