

Connecting Acid/Base and Redox

The Source of the Electron Buffer Idea
Interconnections Teach Twice

Multiple Choice Question

Are these Titrations *Potentiometric not Acid/Base?*

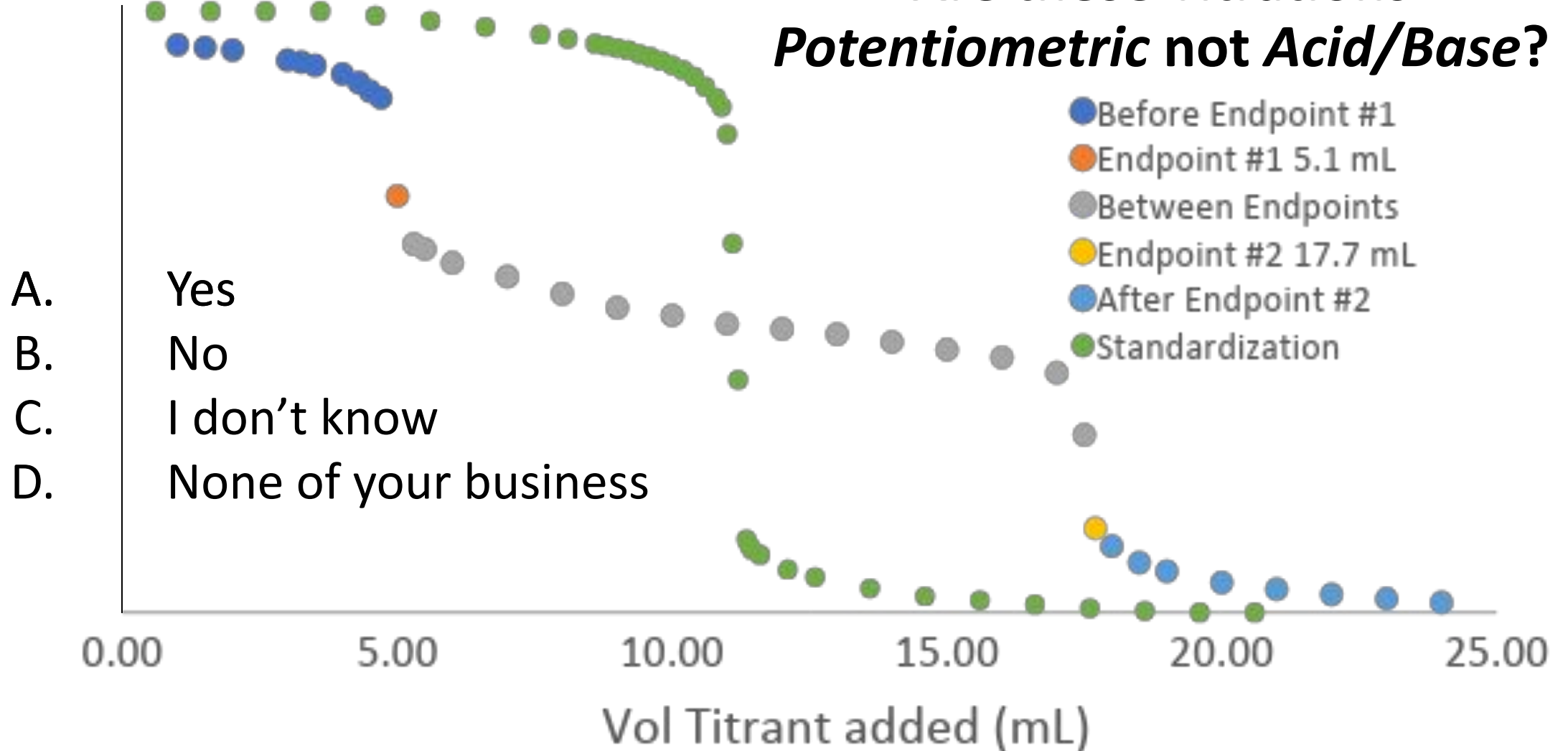


Figure 1: Overlapping graphs with unlabeled y-axis.

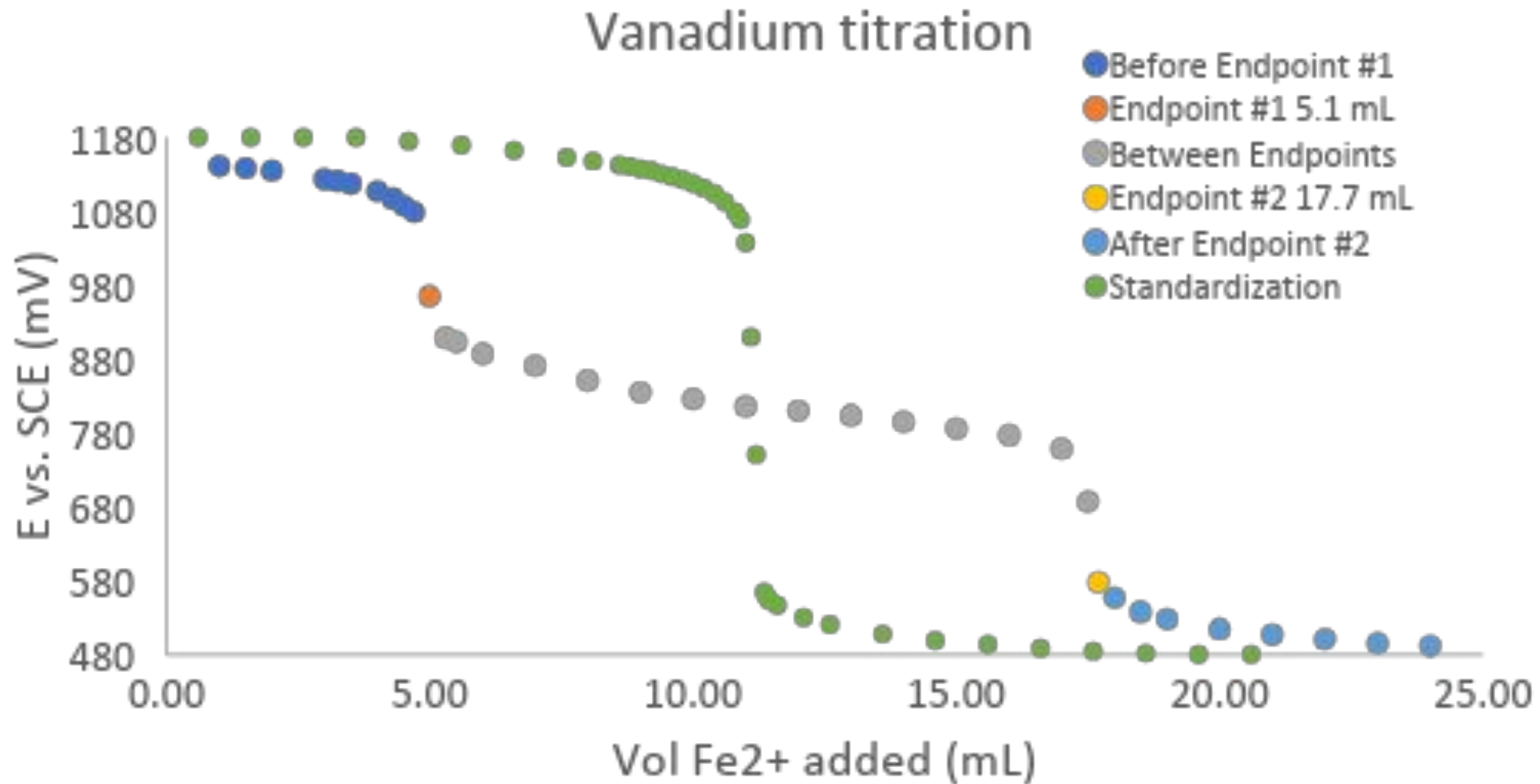
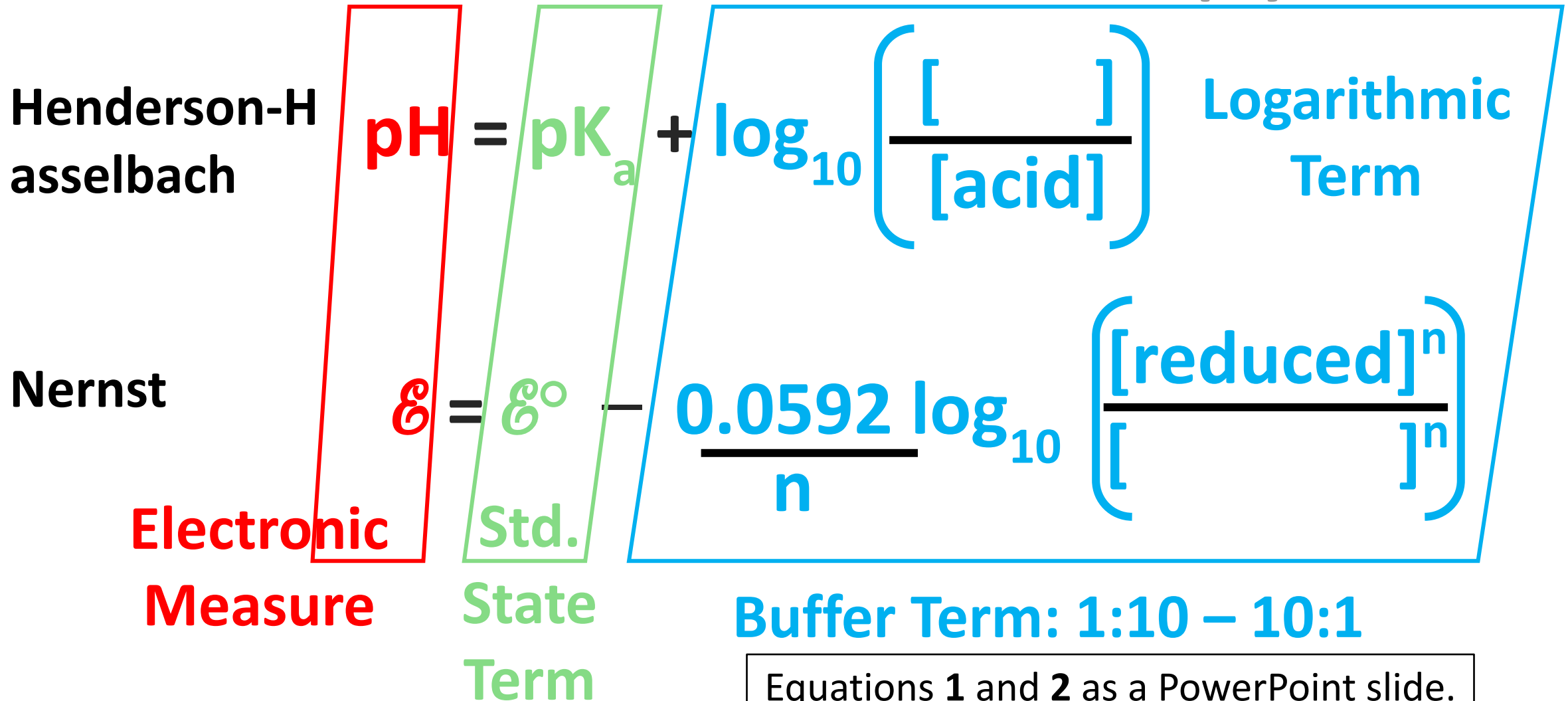


Figure 2: Overlapping graphs of potentiometric titrations. Green: Fe(II) solution standardization with Ce(IV) primary standard. Multicolor: Regions of titration for analysis of Li_xV₂O₅ sample.

Parallelism in Brønsted/Lowry A/B and Redox Transfer Reactions: Filled → Empty



Equations 1 and 2 as a PowerPoint slide.

Use the language of acid/base to describe redox chemistry.

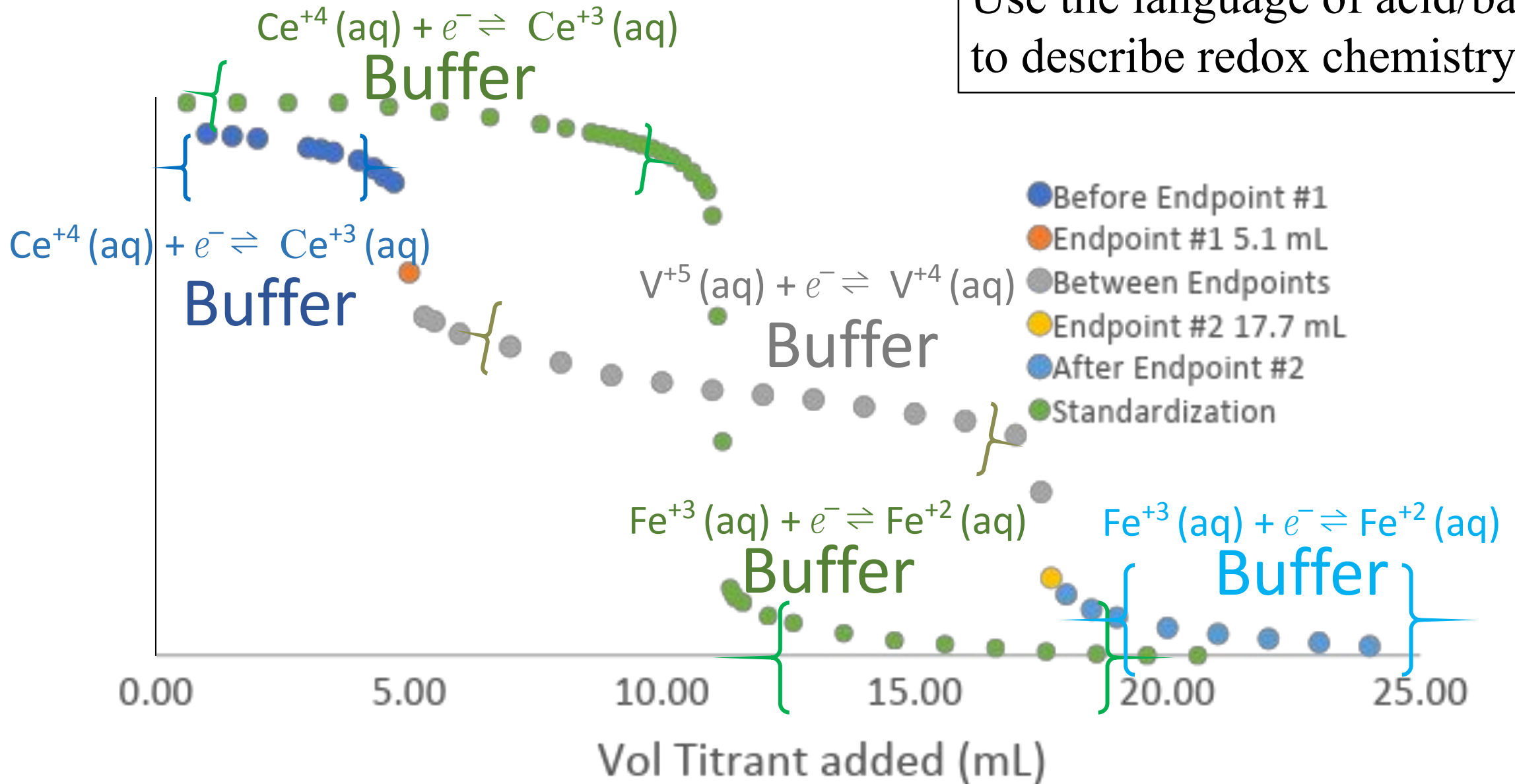


Figure 3: Figure 1 labeled with $\frac{1}{2}$ reactions and Electron Buffer Regions.

Use the language of acid/base to describe redox chemistry.

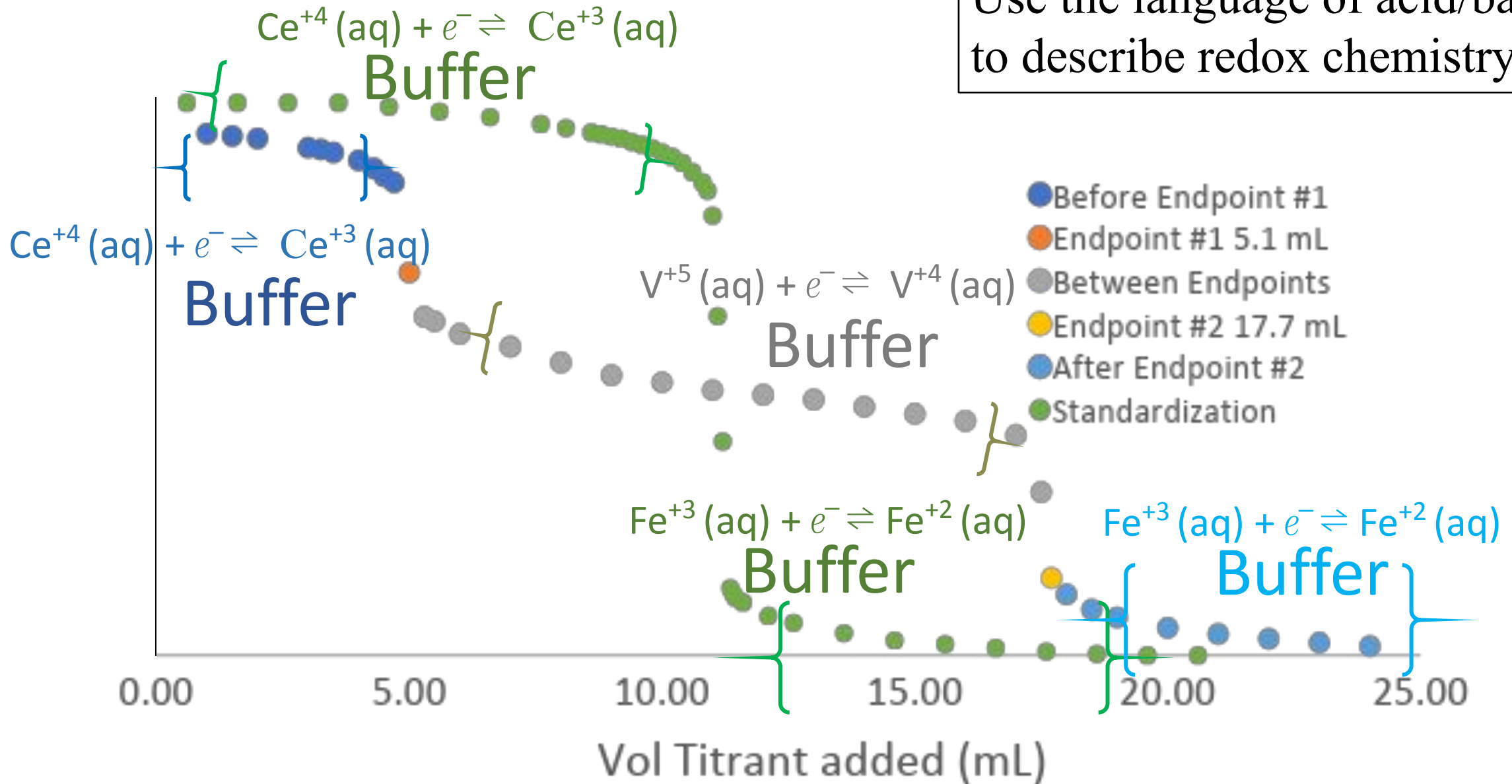


Figure 3: Figure 1 labeled with $\frac{1}{2}$ -reactions and Electron Buffer Regions.

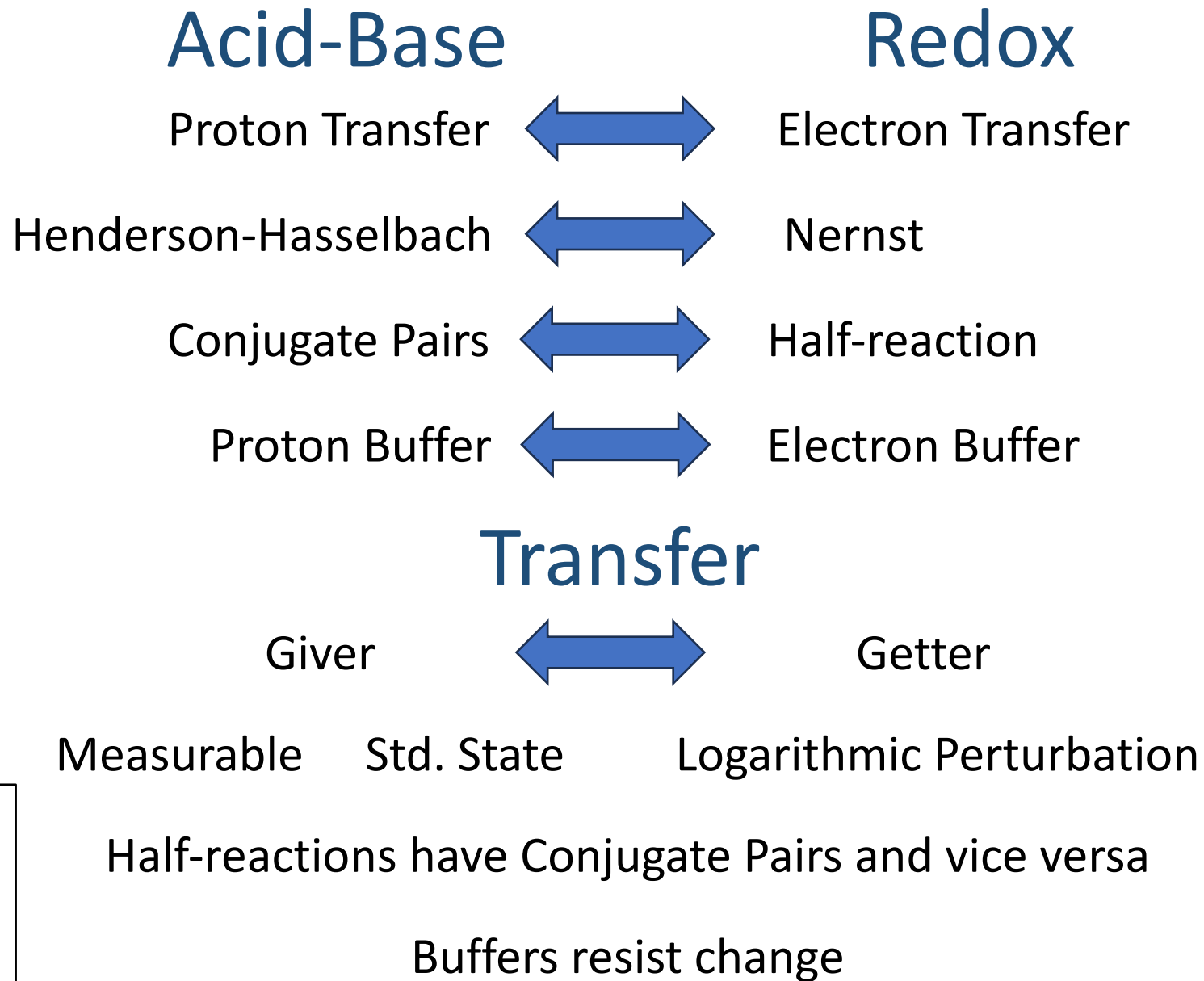


Figure 4: Summary of Acid-Base and Redox Parallelisms, and how these are united under the idea of Transfer Reactions.

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