The following experiments involve the experimental determination of equilibrium constants, the characterization of buffers, and, in some cases, demonstrations of the importance of activity effects.


A nice discussion of Berthollet’s discovery of the reversibility of reactions is found in


The following texts provide additional coverage of equilibrium chemistry.


The following papers discuss a variety of general aspects of equilibrium chemistry.
Collected here are a papers that discuss a variety of approaches to solving equilibrium problems.


Additional historical background on the development of the Henderson-Hasselbalch equation is provided by the following papers.


A simulation is a useful tool for helping students gain an intuitive understanding of a topic. Gathered here are some simulations for teaching equilibrium chemistry.


The following papers provide additional resources on ionic strength, activity, and the effect of ionic strength and activity on equilibrium reactions and pH.


For a contrarian’s view of equilibrium chemistry, please see the following papers.


