The following set of experiments introduce students to the applications of electrochemistry. Experiments are grouped into four categories: general electrochemistry, preparation of electrodes, potentiometry, coulometry, and voltammetry and amperometry.

**General Electrochemistry**


**Preparation of Electrodes**


**Potentiometry**


_Coulometry_


_Voltammetry and Amperometry_


The following general references providing a broad introduction to electrochemistry.


These short articles provide a good introduction to important principles of electrochemistry.


Additional information on potentiometry and ion-selective electrodes can be found in the following sources.


The following sources provide additional information on electrochemical biosensors.


• Thompson, M.; Krull, U. “Biosensors and the Transduction of Molecular Recognition,” Anal. Chem. 1991, 63,
393A–405A.


A good source covering the clinical application of electrochemistry is listed below.


Coulometry is covered in the following texts.


For a description of electrogravimetry, see the following resource.


The following sources provide additional information on polarography and pulse polarography.


Additional Information on stripping voltammetry is available in the following text.


The following papers discuss the numerical simulation of voltammetry.


Gathered together here are many useful resources for cyclic voltammetry, including experiments.


