

Chem 431 Chapter 25 Study Questions (Pages to read: 716-722, 723-732, 736-740, 748-750)

- What is voltammetry?
- What types of working electrodes are used in voltammetry?
- What is the circuit diagram for a potentiostat and how does it work?
- What is meant by “hydrodynamic voltammetry?”
- What is a “limiting current?”
- How does the concentration profile of an analyte at an electrode surface change with time and electrode potential?
- Why and when does cyclic voltammetry give a “duck-shaped” voltammogram?
- How does stirring affect the shape of a voltammogram?
- What is the process for conducting a voltammetric stripping analysis?

Chapter-end problems: 6,7,10,13