CHM 1046 Exam 2 Review Sheet
Study all of the concepts and equations on the following list.

- Equilibrium
  Review Figure 13.2.

- Setting up and solving an Equilibrium Table
  Review Example 14.01 and Example 13.6.

- Equilibrium Constant Expression and its determining its Value
  Review Example 14.02, as well as Examples 13.1, 13.2, 1.7, and 13.8.

- Using K_c to find Concentrations
  Review Example 14.03, 13.9, and 13.10.
  Also, review Exercises 13.64, and 13.66.

- Determining K_p using K_c, Δn, and $(RT^{)\Delta n}$
  Review Example 14.04, Example 13.4, and Exercise 13.25.

- Heterogeneous Equilibrium (multi-phase)
  Review page 3 of chapter 14 notes, and review Exercise 13.15.

- Expression and Value for the Reaction Quotient (Q_c)
  Review Example 14.05 and Exercise 13.17.

- LeChatelier's principle (the effect of changes to a system at equilibrium)
  Review this image. Then, review Examples 14.09 and 14.10,
  as well as Exercises 13.36 and 13.38.

- Arrhenius, Bronsted-Lowry, and Lewis Concepts of Acids and Bases
  Review images in Section 14.1 and 15.2. Review Example 15.01.
  Review Exercises 14.3, 14.5, and 15.76.

- Expression and Value for Kw
  Review Example 15.04, 14.1, and 14.2. Review Exercise 14.15.

- pH, pOH, $[H_3O^+]$, and $[OH^-]$
  Review Figure 14.2. Then, review Examples 15.05 and 15.06,
  as well as Exercise 14.19.
  Find $[H_3O^+]$, $[OH^{-1}]$, pH, and pOH for each of these problems.