

Reading Guide

CEEG 340–Introduction to Environmental Engineering

Instructor: Deborah Sills

Reading assigned for Friday 9/6: Textbook, pp.48–49; pp.80–86

After completing the reading you should be able to:

1. Describe what Henry's law constant, K_H is used for.
2. Use Henry's law constant to calculate the solubility of oxygen in water (ex. 3.4).
3. Define normality (eq/L)
4. Calculate the equivalent weights of HCl, H_2SO_4 , NaOH, and $CaCO_3$.
5. Define pH.
6. Describe how the concentrations of OH^- and H^+ are related to one another.
7. Define acid and base.
8. Write the equilibrium equation for an acid dissociating with its conjugate base. Define (with an equation) an equilibrium constant for this equilibrium equation.
9. Define pK_a .
10. Define strong acid.