

Module 15 Review

- Be able to write the formula for the equilibrium constant
- Be able to calculate the equilibrium constant if you are given the concentrations
- Be able to determine whether a reaction is at equilibrium based on its K_{eq}
- Be able to determine which way a reaction must shift to reach equilibrium
- Know when an equation can be written with a double arrow and when it needs to be turned around
- Be able to determine what will happen to an equilibrium of concentrations, pressure, or temperature are changed
- Know Le Chatelier's Principle
- Know the pH scale
- Be able to write an acid or base ionization equation
- Know what the value of the acid or base ionization constant represents

Honors: Calculate the value of K_a given the molarity of the acid.

Calculate the acid's pH.