



Mr. Silluzio
Biology Lesson Plan
Date: 9/21 & 9/24

Topic: Introduction to Chemistry of Life: Acids and Bases

Summary: Students will complete study of physical chemistry by investigating pH levels of common substances. Students make predictions relevant to pH levels in common household items then determine pH using litmus paper.

Goals/Objectives:

- Be able to define the terms acid and base.
- Be able to define the term buffer and understand why buffers are critical to the regulation of internal environments.
- Understand the pH scale, how to identify an acid or base based on its pH.

Standards:

[Corresponding Curriculum](#)

Time Required:

1 80 minute periods

Prerequisite Knowledge:

Basic understanding of acids and bases

Homework: Assigned reading – Campbell Biology Concepts and Connections CH2 & 3

Accommodations:

Notes, resources and enrichment material are available on a class webpage.