Acids and Bases Introduction

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| ***Teacher:*** | Ms. Athwal  | ***Date:*** | March 10 – March 14 | ***Course:*** | Chemistry | ***Grade:*** | 11 |
| ***CA Standard(s):*** 5a *Students know* the observable properties of acids, bases, and salt solutions.5b *Students know* acids are hydrogen-ion donating and bases are hydrogen-ion accepting substances.5c *Students know* strong acids and bases fully dissociate and weak acids and bases partially dissociate.5d *Students know* how to use the pH scale to characterize acid and base solutions.5e *Students know* the Arrhenius, Bronsted-Lowry, ~~and Lewis~~ acid-base definitions.5f *Students know* how to calculate pH from hydrogen-ion concentration. 5g *Students know* buffers stabilize pH in acid-base reactions. |
| ***Learning Objective (s):*** 6.1 – I can describe the common properties of acids, bases, and salts. I can distinguish them based on taste, texture, ability to conduct electricity, and other observable properties.6.2 – I can describe what an acid and base are using the idea of hydrogen ion donation and hydrogen ion accepting.6.3 – I can characterize a compound as either a strong acid/base or weak acid/base based on how much it dissociates.6.4 – I can identify a compound as an acid or base using the pH of a solution.6.5 – I can calculate the pH and pOH of a solution and explain whether this compound is acidic or basic.6.6 – I can calculate the concentration of an unknown acidic solution using a titration.6.7 – I can discuss the differences between Arrhenius and Bronsted-Lowry acids/bases. |
| ***Essential Question(s):*** How do you dispose of a dead body? |
| **Assessment**: * Class-wide unit review
* Stations Review packet
* Unit 6 Exam
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| ***Do Now***:1. Take out your learning tracker log and silently reflect on each standard and give yourself a score (1-4) on each learning target for this unit |

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| **WHOLE GROUP/ DIRECT INTRUCTION** |
| * Unit 6 Learning Target Review
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| **SMALL GROUP STATION** |  | **COLLABORATIVE STATION** |  | **COMPUTER ASSISTED STATION** |
| Any difficulties with the stations review, we can work through the questions together |  | Stations Review Packet  |  | Blogging Review for each learning target as if you were teaching the standards to someone who has never taken chemistry  |