Acids and Bases Introduction

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| ***Teacher:*** | Ms. Athwal | ***Date:*** | Feb 24 – Feb 28 | ***Course:*** | Chemistry | ***Grade:*** | 11 |
| ***CA Standard(s):***  5d *Students know* how to use the pH scale to characterize acid and base solutions.  5f *Students know* how to calculate pH from hydrogen-ion concentration. | | | | | | | |
| ***Learning Objective (s):***  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. | | | | | | | |
| ***Essential Question(s):*** How do you dispose of a dead body? | | | | | | | |
| **Assessment**:   * Exit Ticket * Arrhenius acid and Arrhenius base quiz | | | | | | | |
| ***Do Now***:   1. What is the chemical formula of the substance used to dissolve all the fatty tissue of the body? 2. What is the chemical formula of the other substance that also removes all traces of blood and DNA? 3. Titrations are used to calculate:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? 4. 2. During a titration, the equivalence point indicates that:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? | | | | | | | |

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| **WHOLE GROUP/ DIRECT INTRUCTION** |
| * Arrhenius and Bronsted – Lowry acid/bases * Titrations * Logarithms * pH |

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| **SMALL GROUP STATION** |  | **COLLABORATIVE STATION** |  | **COMPUTER ASSISTED STATION** |
| Taste Test- taste different substances and explain how or why they are so different |  | Taste test  pH Identification lab |  | Around the world titration word problems |