**Lesson Plan Title: Molar Mass**

**Teacher’s Name: Mr.Gomez Subject/Course: Chemistry**

**Unit:** Click here to enter text. **Grade Level: College Prep**

**Overview of and Motivation for Lesson:**

**Molar mass is used to predict estimated product amount in reaction**

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| **Stage 1-Desired Results** | | |
| **Standard(s):**   * Click here to enter text. | | |
| **Aim/Essential Question:**   * How | | |
| **Understanding(s):**  *Students will understand that . . .*   * Each element & chemical have different molar masses * Molar mass is calculated by adding up atomic mass of each element in a compound | | |
| **Content Objectives:**  *Students will be able to . . .*   * Calculate molar mass of elements of compounds using their periodic table | | **Language Objectives:**  ELD Level Choose an item. *Students will be able to . . . in English*   * Click here to enter text.   ELD Level Choose an item. *Students will be able to . . . in English*   * Click here to enter text. |
| **Key Vocabulary**   * Molar mass * Mol | | |
| **Stage 2-Assessment Evidence** | | |
| **Performance Task or Key Evidence**   * Solve Molar Mass problems | | |
| **Key Criteria to measure Performance Task or Key Evidence**   * Calculate molar mass of compounds accurately | | |
| **Stage 3- Learning Plan** | | |
| **Learning Activities:**  Do Now/Bell Ringer/Opener: Take out periodic table and Hand in Candium  Learning Activity 1:  Molar mass notes  Learning Activity 2:  Molar mass examples, one as a class and one with people around you  Application  **Molar mass will be useful once stoichiometry is introduced and helps in converting grams to mol and vice versa**  Summary/Closing  **How is molar mass calculated?**  **Multiple Intelligences Addressed:**   |  |  |  |  | | --- | --- | --- | --- | | Linguistic | Logical-Mathematical | Musical | Bodily-kinesthetic | | Spatial | Interpersonal | Intrapersonal | Naturalistic |   **Student Grouping**  Whole Class  Small Group  Pairs  Individual  **Instructional Delivery Methods**  Teacher Modeling/Demonstration  Lecture  Discussion  Cooperative Learning  Centers  Problem Solving  Independent Projects | | |
| **Accommodations**  none | **Modifications**  None | |
| **Homework/Extension Activities:**  Molar mass practice in the book | | |
| **Materials and Equipment Needed:**   * Periodic table | | |

**Adapted from Grant Wiggins and Jay McTighe-*Understanding by Design***