4th Six Weeks 2024- Chemistry

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| **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| 1/8 | 1/9 | 1/10 | 1/11 | 1/12 |
| **Teacher Workday**  **Student Holiday** | 2024 Resolutions  Mole Vocabulary  TEKS: 8(A) define mole and apply the concept of molar mass to convert between moles and grams | Math Review | Math Review | Mole Unit Pre Test  Part 1-Moles  Part 2- Molar Mass  TEKS:8(A) define mole and apply the concept of molar mass to convert between moles and grams |
| 1/15 | 1/16 | 1/17 | 1/18 | 1/19 |
| **MLK Day Holiday** | 1 Step Conversions  (Notes and Practice)  TEKS: 8(A) define mole and apply the concept of molar mass to convert between moles and grams | Calculate Mass of a Substance (Notes and Practice  **Vocabulary Quiz**  TEKS: 8(A) define mole and apply the concept of molar mass to convert between moles and grams | Lab: Avogadro’s Number  TEKS: 8(B) calculate the number of atoms or molecules in a sample of material using Avogadro's number | Finish Lab  **Quiz- Molar Mass**  TEKS: 1(C) use appropriate safety equipment and practices during laboratory, classroom, and field investigations as outlined in Texas Education Agency-approved safety standards |
| 1/22 | 1/23 | 1/24 | 1/25 | 1/26 |
| 2 Step Conversions  Notes and Practice  TEKS: 8(B) calculate the number of atoms or molecules in a sample of material using Avogadro's number | Limiting and Excess Reagents Notes and Practice  TEKS: 9(D) describe the concept of limiting reactants in a balanced chemical equation | Percent Yield  Notes and Practice  TEKS: 9(C) perform stoichiometric calculations, including determination of mass relationships, gas volume relationships, and percent yield | Stoichiometry Study Guide  TEKS: 9(C) perform stoichiometric calculations, including determination of mass relationships, gas volume relationships, and percent yield | Stoichiometry Study Guide  TEKS: 9(C) perform stoichiometric calculations, including determination of mass relationships, gas volume relationships, and percent yield |
| 1/29 Progress Reports | 1/30 | 1/31 | 2/1 | 2/2 |
| Review Game and Bonus Points | **Stoichiometry Test**  TEKS: 8A, 8B, 9C, 9D | Gas Law Vocabulary  Set up Gas Law Foldable  TEKS: (10) The student understands the principles of the kinetic molecular theory and ideal gas behavior | Gas Law Notes- Fill in Foldable  Gas Law Pre Test  TEKS: 10(B) describe and calculate the relationships among volume, pressure, number of moles, and temperature for an ideal gas | Finish Notes  Gas Law Problems  Day 1  TEKS: 10(B) describe and calculate the relationships among volume, pressure, number of moles, and temperature for an ideal gas |
| 2/5 | 2/6 | 2/7 | 2/8 | 2/9 |
| Gas Law Problems Day 2  **Vocabulary Quiz**  TEKS: 10(B) describe and calculate the relationships among volume, pressure, number of moles, and temperature for an ideal gas | Gas Law Problems Day 3  TEKS: 10(A) describe the postulates of the kinetic molecular theory | Lab: Gas Laws  TEKS: 1(C) use appropriate safety equipment and practices during laboratory, classroom, and field investigations as outlined in Texas Education Agency-approved safety standards | FInish Lab  **Quiz- Gas Laws**  TEKS: 1(C) use appropriate safety equipment and practices during laboratory, classroom, and field investigations as outlined in Texas Education Agency-approved safety standards | Graphing Gas Laws  TEKS: 10(B) describe and calculate the relationships among volume, pressure, number of moles, and temperature for an ideal gas |
| 2/12 | 2/13 | 2/14 | 2/15 | 2/16 |
| Gas Law Study Guide  TEKS: 10A, 10B | Bonus Points and Review Game  TEKS: 10A, 10B | **Gas Law Test**  Thermodynamics Vocabulary  TEKS: 10A, 10B | Thermodynamics Graph  TEKS: (13) The student understands the energy changes that occur in chemical reactions | Thermodynamics Graph Day 2  TEKS: (13) The student understands the energy changes that occur in chemical reactions |