**Lesson plan**

**Course:** **SCH 3U**

**Unit:** Matter, Chemical Trends, and Chemical Bonding

**Topic:** Review

**Lesson:** Lesson

**Grade and Level:** Grade 11 University

**Date:**

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| **Description of Topic:** Today the students will review the unit |

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| **Learning Expectations** |
| **Overall Expectations:** |
| **Specific Expectations:** |

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| **Teacher Resources:**  Laptop  LCD Projector  Chalk, chalk board, | **Student Resources:**  Pen, pencil  Calculator  Text book |

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| **Teaching / Learning Strategies** |
| -Note taking, problem solving, |

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| **Steps: (sequence, time lines, teacher/ student roles)** |
| 1. Review 2. Questions |

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| **Accommodations / Modifications** |
| -The students will be given an assisted note  -The lesson will be done on power point.  - The note will be posted on mrhoover.weebly.com |

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| **Assessment & Evaluation** |
| * The students questions will be checked for completion. |

**Questions:**  Page

**SCH3U: U1 Date:**

**Unit 1 Gases and Atmospheric Chemistry: Review**

**Key Ideas**

* Mendeleev’s periodic table
* Modern periodic table
  + Groups, periods, families,
* Atom models
* Isotopes
* Quantum mechanical theory
* Periodic trends
  + Atomic radius, ionization energy, electron affinity, electronegativity, electron affinity, and ionic radius.
* Compounds
  + Ionic bonding
  + Covalent bonding
    - Electronegativity
    - Coordinate covalent , polar covalent
    - Polar molecules
  + Intermolecular and intramolecular forces
* Nomenclature
* Ionic, molecular, acids, polyatomic, classical and IUPAC
* Kinetic Molecular theory
* Types of chemical reactions
  + Combustion, decomposition, synthesis, single displacement, double displacement.

**Terms**

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| * **See page 61** * **See page 102** | **See page 145** |

**Formulas**

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| **Type** | **Formula** | **Units** |
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**Questions**

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Answers page 638