

Lebanon Evangelical School for Boys and Girls

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Mid Year Exams : February 2010

Please place on this sheet the contents of your course that you will be examining in your Mid Year Exam. Details are expected. Chapter numbers, section headings and the like. A photocopy of what you send back to me will be sent to parents next week.

Teacher :Ludvik Ayzazian

Subject :Chemistry -10A

Chapter One: Atoms

- 1- Sub atomic particles(protons-neutrons-electrons)
- 2- Atomic number-Mass number-Atomic symbol-Isotopes
- 3- Nuclear charge-Electronic charge
- 4- Electronic configuration-Lewis Symbol-Groups-Periods-Metals-Non-metals
- 5- Mole-atom- Molar mass- Avogadro's number.

Chapter Two: Molecules

- 1- Octet rule-Valence electrons-Valency
- 2- Covalent bonds(single-double-triple)
- 3- Lewis formula(Lewis dot-structure)-Molecular formula
- 4- Electro negativity values-Electro negativity difference.
- 5- Polar and non-polar molecules
- 6- VSEPR theory(shapes of molecules)
- 7- Mole of molecules-Molar mass- Avogadro's number.

Chapter Three: Ions

- 1- Ionic bond-ions(Cations-Anions)
- 2- Mono atomic and Poly atomic ions
- 3- Ionic formula-Molecular formula-Lewis formula
- 4- Mole of ions - Avogadro's number
- 5- Ionic compounds-Molecular compounds.

Chapter Four: Laws Of Chemical Reactions

- 1- Law of conservation of atoms(balancing chemical equations)

