



**ROMAN CATHOLIC BISHOP OF NOVALICHES
EDUCATIONAL SYSTEM (RCBN-ES, Inc.)**

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POINTERS TO REVIEW IN SCIENCE 9

School Year 2017 – 2018

SECOND QUARTER

I. Electronic Structure of Matter

- A. Bohr Model of the Atom
- B. Quantum Mechanical Model

II. Chemical Bonding

- A. Ionic Bonding
- B. Formula Writing and Naming Ionic Compounds
- C. Covalent Bonding
- D. Formula Writing and Naming Covalent Compounds
- E. Properties of Ionic and Covalent Compounds
- F. Metallic Bonding

III. The Variety of Carbon Compounds

- A. Carbon Structure
- B. Hydrocarbons
- C. Functional Groups

IV. Mole Concept

- A. Mass and Mole Relationship
- B. Percentage Composition of a Compound
- C. Empirical and Molecular Formulas