The Video Textbook of General Chemistry

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This project was performed to supply Libretext authors with videos on General Chemistry topics which can be used to enhance their projects. Also, these videos are meant to act as a learning resource for all General Chemistry students.

- 1: Definitions, Units, and Significant Figures
- 2: Atoms, Isotopes, and Mols
3: Molecules, Molecular Formula Calculations, and Nomenclature

- 3.3 Nomenclature of Inorganic Compounds

4: Balancing Reactions, Limiting Reactant Problems, and Determining Net Ionic Equations

- 5: Acid/Base Reactions and Molarities
6: Gases

7: Thermochemistry

8: Electromagnetic Radiation

9: Quantum Numbers
10: Electron Configuration of Atoms

11: The Periodicity of Atomic Properties

12: Lewis Structures and Bonding

13: Hybrid and Molecular Orbitals
14: Intermolecular Forces and Phase Changes

Chapter 15: The Properties of Solutions

16: Chemical Kinetics

Chapter 17: Dynamic Equilibrium
Chapter 18: Acid / Base Chemistry

- **19: Buffers and Titrations**

- **20: Solubility Products**