

Detailed Licensing

Overview

Title: [CHEM 110: Chemical Concepts](#)

Webpages: 112

Applicable Restrictions: Noncommercial, No Derivatives

All licenses found:

- [CC BY-NC 3.0](#): 27.7% (31 pages)
- [Undeclared](#): 17.9% (20 pages)
- [CC BY-NC-SA 4.0](#): 13.4% (15 pages)
- [CC BY 4.0](#): 12.5% (14 pages)
- [Unknown License](#): 12.5% (14 pages)
- [CC BY-NC-SA 3.0](#): 6.3% (7 pages)
- [CC BY-NC 4.0](#): 5.4% (6 pages)
- [CC BY-SA 4.0](#): 1.8% (2 pages)
- [CC BY-NC-ND 4.0](#): 1.8% (2 pages)
- [CK-12 License](#): 0.9% (1 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)
- [Unknown License](#): 0% (0 page)

By Page

- [CHEM 110: Chemical Concepts](#) - [Undeclared](#)
 - [Front Matter](#) - [Undeclared](#)
 - [TitlePage](#) - [Undeclared](#)
 - [InfoPage](#) - [Undeclared](#)
 - [Table of Contents](#) - [Undeclared](#)
 - [Licensing](#) - [Undeclared](#)
 - [1: The Chemical World](#) - [Undeclared](#)
 - [1.1: Introduction](#) - [CC BY 4.0](#)
 - [1.2: Scientific Method](#) - [CC BY-NC 4.0](#)
 - [1.2.1: Reading- Understanding Science](#) - [CC BY 4.0](#)
 - [1.2.2: Reading - The Real Process of Science](#) - [CC BY-SA 4.0](#)
 - [1.3: Correlation vs causation](#) - [CC BY 4.0](#)
 - [2: Units and Measurements](#) - [Unknown License](#)
 - [2.1: Taking Measurements](#) - [CC BY-NC-SA 3.0](#)
 - [2.2: Scientific Notation](#) - [CC BY-NC 3.0](#)
 - [2.3: Significant Figures](#) - [CK-12 License](#)
 - [2.4: Accuracy and Precision](#) - [CC BY-NC 3.0](#)
 - [2.5: The Basic Units of Measurements](#) - [CC BY-NC 3.0](#)
 - [2.6: Measured Units vs. Derived Unit](#) - [CC BY 4.0](#)
 - [2.7: Conversion between Units with Conversion Factor \(Single-step Conversion Problems\)](#) - [CC BY-NC-SA 3.0](#)
 - [2.8: Conversion Between Units with Conversion Factor \(Multi-step Conversion Problems\)](#) - [CC BY-NC-SA 3.0](#)
 - [2.9: Convert between %, ppm, and ppb](#) - [CC BY-NC 3.0](#)
 - [2.10: Mole and Avagadro's Number Conversions](#) - [CC BY-NC 3.0](#)
 - [3: Matter](#) - [Unknown License](#)

- 3.1: Definition - *CC BY-NC 3.0*
- 3.2: States of Matter (Solid, Liquid and Gas) - *CC BY-NC 3.0*
- 3.3: Classification of Matter (Pure Substances and Mixtures) - *CC BY-NC 3.0*
- 3.4: Properties of Matter (Chemical and Physical) - *CC BY-NC 3.0*
- 3.5: Changes in Matter (Physical and Chemical) - *CC BY-NC 3.0*
- 4: Atoms and Periodic Table - *Unknown License*
 - 4.1: Indivisible - The Atomic Theory - *CC BY-NC 3.0*
 - 4.2: The Properties of Protons, Neutrons, and Electrons - *CC BY-NC 3.0*
 - 4.3: Elements - Defined by Their Number of Protons - *CC BY-NC 3.0*
 - 4.4: Isotopes - *CC BY-NC 3.0*
 - 4.5: Periodic Table - *CC BY-NC 3.0*
 - 4.6: Atomic Mass - The Average Mass of an Element's Atoms - *CC BY-NC 3.0*
 - 4.7: Valence vs Core Electrons - *CC BY-NC-SA 4.0*
 - 4.8: Content in Context - *CC BY-NC 4.0*
 - 4.8.1: The Chemical Elements of a Smartphones - *CC BY-NC-ND 4.0*
 - 4.8.2: Elements in Danger - Recycle your phones - *CC BY-NC-ND 4.0*
 - 4.8.3: Recycled Cell Phones—A Treasure Trove of Valuable Metals - *Undeclared*
- 5: Chemical Bonds, Ionic Bonds and Ionic Compounds - *Unknown License*
 - 5.1: Why Atoms Form Bonds - *CC BY-NC 3.0*
 - 5.2: Covalent and Ionic Bonds - *CC BY-NC-SA 4.0*
 - 5.3: Metallic Bonds - *CC BY-NC 3.0*
 - 5.4: Chemical Formula (Molecular and Empirical Formula) - *CC BY-NC 3.0*
 - 5.5: Octet Rule - *Undeclared*
 - 5.6: Representing Valence Electrons with Dots - *CC BY-NC 3.0*
 - 5.7: Lewis Structures of Ionic Compounds - Electrons Transferred - *CC BY-NC 3.0*
 - 5.8: Covalent Lewis Structures- Electrons Shared - *Unknown License*
 - 5.9: Naming Ions and Binary Ionic Compound - *CC BY-NC 3.0*
 - 5.10: Naming Polyatomic and Ternary Ionic Compounds - *CC BY-NC 4.0*
 - 5.11: Formulas for Ionic Compounds - *CC BY-NC-SA 3.0*
- 6: Covalent Bonds, Covalent Compounds - *Unknown License*
 - 6.1: Naming Covalent Compounds - *CC BY-NC 4.0*
- 6.2: Writing Lewis Structures for Covalent Compounds - *CC BY-NC 3.0*
- 6.3: Resonance - Equivalent Lewis Structures for The Same Molecule - *CC BY-NC 3.0*
- 6.4: Molecular Geometry - *Unknown License*
- 6.5: Exception for Octet Rule - *CC BY-NC 3.0*
- 6.6: Content in Context - *CC BY-NC 4.0*
 - 6.6.1: Earth's Atmosphere- Divisions and Composition - *CC BY-NC-SA 4.0*
 - 6.6.2: Outdoor Air Pollution and Sources - *CC BY-NC-SA 4.0*
 - 6.6.2.1: Automobile Emissions - *CC BY-NC-SA 4.0*
 - 6.6.3: Indoor air pollution - *CC BY-NC-SA 4.0*
- 7: Chemical Reactions - *Unknown License*
 - 7.1: The Chemical Equations - *CC BY-NC 3.0*
 - 7.2: Balancing Chemical Equations - *CC BY-NC-SA 3.0*
 - 7.3: Acid Base Reaction - *CC BY-NC 3.0*
 - 7.4: Redox Reaction - *CC BY-NC-SA 3.0*
 - 7.5: Combustion Reactions - *CC BY-NC 3.0*
 - 7.6: Content in Context - *CC BY-NC 4.0*
 - 7.6.1: Smog - *CC BY-NC-SA 4.0*
 - 7.6.2: Acid Rain - *CC BY-NC-SA 4.0*
 - 7.6.3: National Ambient Air Quality Standards - *CC BY-NC-SA 4.0*
 - 7.6.4: Clean Air - *CC BY-NC-SA 4.0*
- 8: Atomic Mass, Reaction Stoichiometry - *Unknown License*
 - 8.1: Isotopes and Atomic Weights - *Undeclared*
 - 8.2: The Mole - *CC BY-NC-SA 4.0*
 - 8.3: Molecular Mass and Formula Mass - *CC BY-NC-SA 4.0*
 - 8.4: Counting Objects By Weighing - *CC BY-NC 3.0*
 - 8.5: Molar Mass - *CC BY-NC 3.0*
 - 8.6: Grams-->Moles-->Moles-->Grams - *CC BY-NC-SA 3.0*
- 9: Molecular Polarity, Intermolecular Forces and Solubility - *Undeclared*
 - 9.1: Electronegativity and Polarity - *CC BY-NC 3.0*
 - 9.2: Intermolecular Forces - *CC BY 4.0*
 - 9.3: Solubility - *CC BY 4.0*
 - 9.4: Content in Context - *CC BY 4.0*
 - 9.4.1: Oil Slicks and Miscibility - *Undeclared*
 - 9.4.2: Hydrogen Bonding Allows Life to Exist - *Undeclared*
- 10: Radiation, Electromagnetic Waves, Biological Effects of UV Radiation - *Unknown License*
 - 10.1: Radiation and Electromagnetic waves - *CC BY 4.0*

- 10.2: Content in Context - *CC BY 4.0*
 - 10.2.1: UVA, UVB, UVC and Its' Effect - *CC BY 4.0*
 - 10.2.2: UV Index - *CC BY 4.0*
 - 10.2.3: Stratospheric Ozone and Ozone Depletion - *CC BY-NC-SA 4.0*
 - 10.2.4: Sunscreen - *Undeclared*
- 11: Climate and The Environment - *Unknown License*
 - 11.1: Carbon Cycle - *Unknown License*
 - 11.2: Human Impacts on The Carbon Cycle - *Unknown License*
 - 11.3: The Science of Climate Change - *Unknown License*
 - 11.4: Greenhouse Gases - *CC BY 4.0*
 - 11.5: Fossil Fuels and Greenhouse Gases - *CC BY-SA 4.0*
 - 11.6: Other climate influencers - *CC BY 4.0*
 - 11.7: Quaternary Climate — Information From Ice Cores - *CC BY 4.0*
 - 11.8: Climate Change – An Effect of Global Warming - *CC BY-NC-SA 4.0*
 - 11.9: Looking Forward- Climate Strategies - *CC BY-NC-SA 4.0*
- Back Matter - *Undeclared*
 - Index - *Undeclared*
 - Glossary - *Undeclared*
 - Detailed Licensing - *Undeclared*
 - Detailed Licensing - *Undeclared*
 - Detailed Licensing - *Undeclared*