

TABLE OF CONTENTS

[Licensing](#)

1: Chapters

- [1.1: Atoms and Photons- Origin of the Quantum Theory](#)
- [1.2: Waves and Particles](#)
- [1.3: Quantum Mechanics of Some Simple Systems](#)
- [1.4: Principles of Quantum Mechanics](#)
- [1.5: Harmonic Oscillator](#)
- [1.6: Angular Momentum](#)
- [1.7: Hydrogen Atom](#)
- [1.8: Helium Atom](#)
- [1.9: Atomic Structure and The Periodic Law](#)
- [1.10: The Chemical Bond](#)
- [1.11: Molecular Orbital Theory](#)
- [1.12: Molecular Symmetry](#)
- [1.13: Molecular Spectroscopy](#)
- [1.14: Nuclear Magnetic Resonance](#)

[Index](#)

[Index](#)

[Glossary](#)

[Detailed Licensing](#)