



## Physics 5th Edition

By Cutnell, John D.; Johnson, Kenneth W.

Wiley, 2000. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Introduction and Mathematical Concepts. Kinematics in One Dimension. Kinematics in Two Dimensions. Forces and Newton's Laws of Motion. Dynamics of Uniform Circular Motion. Work and Energy. Impulse and Momentum. Rotational Kinematics. Rotational Dynamics. Simple Harmonic Motion and Elasticity. Fluids. Temperature and Heat. The Transfer of Heat. The Ideal Gas Law and Kinetic Theory. Thermodynamics. Waves and Sound. The Principle of Linear Superposition and Interference Phenomena. Electric Forces and Electric Fields. Electric Potential Energy and the Electric Potential. Electric Circuits. Magnetic Forces and Magnetic Fields. Electromagnetic Induction. Alternating Current Circuits. Electromagnetic Waves. The Reflection of Light: Mirrors. The Refraction of Light: Lenses and Optical Instruments. Interference and the Wave Nature of Light. Special Relativity. Particles and Waves. The Nature of the Atom. Nuclear Physics and Radioactivity. Ionizing Radiation, Nuclear Energy, and Elementary Particles. Appendix A: Powers of Ten and Scientific Notation. Appendix B: Significant Figures. Appendix C: Algebra. Appendix D: Exponents and Logarithms. Appendix E: Geometry and Trigonometry. Appendix F: Selected Isotopes. Answers to Check Your Understanding. Answers to Odd-Numbered Problems. Index.



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