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Temperature and Heat -- Problem Set (Updated 13/e): Temperature and Heat -- 18. Thermal Properties of Matter -- Problem Set (Updated 13/e): Thermal Properties of Matter -- 19. The First Law of Thermodynamics -- Problem Set (Updated 13/e): The First Law of Thermodynamics -- 20. The Second Law of Thermodynamics -- Problem Set (Updated 13/e): The Second Law of Thermodynamics. 21. Electric Charge and Electric Field -- Problem Set (Updated 13/e): Electric Charge and Electric Field -- 22. Gauss's Law -- Problem Set (Updated 13/e): Gauss's Law -- 23. Electric Potential -- Problem Set (Updated 13/e): Electric Potential -- 24. Capacitance and Dielectrics -- Problem Set (Updated 13/e): Capacitance and Dielectrics -- 25. Current, Resistance, and Electromotive Force -- Problem Set (Updated 13/e): Current, Resistance, and Electromotive Force -- 26. Direct-Current Circuits -- Problem Set (Updated 13/e): Direct-Current Circuits -- 27. Magnetic Field and Magnetic Forces -- Problem Set (Updated 13/e): Magnetic Field and Magnetic Forces -- 28. Sources of Magnetic Field -- Problem Set (Updated 13/e): Sources of Magnetic Field -- 29. Electromagnetic Induction -- Problem Set (Updated 13/e): Electromagnetic Induction -- 30. Inductance -- Problem Set (Updated 13/e): Inductance -- 31. Alternating Current -- Problem Set (Updated 13/e): Alternating Current -- 32. Electromagnetic Waves -- Problem Set (Updated 13/e): Electromagnetic Waves -- 33. The Nature and Propagation of Light -- Problem Set (Updated 13/e): The Nature and Propagation of Light -- 34. Geometric Optics -- Problem Set (Updated 13/e): Geometric Optics -- 35. Interference -- Problem Set (Updated 13/e): Interference -- 36. Diffraction -- Problem Set (Updated 13/e): Diffraction -- 37. Relativity -- Problem Set (Updated 13/e): Relativity -- 38. Photons: Light Waves Behaving as Particles -- Problem Set (Updated 13/e): Photons: Light Waves Behaving as Particles -- 39. Particles Behaving as Waves -- Problem Set (Updated 13/e): Particles Behaving as Waves -- 40. Quantum Mechanics -- Problem Set (Updated 13/e): Quantum Mechanics -- 41. Atomic Structure -- Problem Set (Updated 13/e): Atomic Structure -- 42. Molecules and Condensed Matter. Problem Set (Updated 13/e): Molecules and Condensed Matter -- 43. Nuclear Physics -- Problem Set (Updated 13/e): Nuclear Physics -- 44. Particle Physics and Cosmology -- Problem Set (Updated 13/e): Particle Physics and Cosmology -- Appendix: The International System of Units -- Appendix: The Greek Alphabet -- Appendix: Periodic Table of the Elements -- Index.

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