

TEXT: Physics, Cutnell & Johnson (7th Edition)

Suggested problems to master are below. These are from the 'Problems' section at the end of each chapter.

Steps, Assignments

- 1 Study Chapter 18: Electric Forces and Electric Fields
- 2 Work Problems: 1, 2, 7, 23, 27, 33, 39, 46, 47, 48, 56, 61, 65
- 3 Study Chapter 19: Electric Potential Energy and Electric Potential
- 4 Work Problems: 3, 7, 9, 14, 15, 21, 28, 34, 43, 48, 51
- 5 Study Chapter 20: Electric Circuits
- 6 Work Problems: 5, 9, 11, 21, 29, 35, 41, 51, 53, 60, 61, 64, 77, 87, 92, 95, 96, 97, 103, 111, 113
- 7 Study Chapter 21: Magnetic Forces and Magnetic Fields
- 8 Work Problems: 3, 7, 11, 13, 21, 29, 33, 37, 47, 49, 50, 59, 72, 73
- 9 Study Chapter 22: Electromagnetic Induction
- 10 Work Problems: 1, 6, 8, 15, 18, 19, 20, 29, 31, 35, 37, 43, 44, 45, 55, 56, 59, 63, 64, 71
- 11 Study Chapter 23: Alternating Current Circuits
- 12 Work Problems: 1, 3, 7, 11, 12, 15, 16, 17, 18, 19, 21, 37, 40, 41
- 13 Study Chapter 24: Electromagnetic Waves
- 14 Work Problems: 3, 11, 15, 22, 23, 26, 29, 31, 34, 39, 42, 43, 45
- 15 Study Chapter 25: Reflection of Light: Mirrors
- 16 Work Problems: 1, 2, 4, 13, 17, 21, 23, 29, 35
- 17 Study Chapter 26: The Refraction of Light: Lenses and Optical Instruments
- 18 Work Problems: 3, 9, 21, 25, 31, 55, 58, 63, 67, 91, 97, 103
- 19 Study Chapter 27: Interference and the Wave Nature of Light
- 20 Work Problems: 7, 9, 15, 19, 39, 48, 49, 55
- 21 Study Chapter 28: Special Relativity
- 22 Work Problems: 5, 9, 11, 13, 17, 23, 26, 31, 33
- 23 Study Chapter 29: Particles and Waves
- 24 Work Problems: 1, 3, 12, 17, 25, 33, 37, 41
- 25 Study Chapter 30: The Nature of the Atom (Sections 1 – 6 only)
- 26 Work Problems: 3, 5, 10, 13, 21, 27, 29, 47, 49
- 27 Study Chapter 31: Nuclear Physics and Radioactivity (Sections 1 – 7 only)
- 28 Work Problems: 1, 7, 9, 14, 17, 19, 27, 33, 41, 43