

Unit 6: Electrostatics

Chapter	Pages to Skip
23	None
24	17
25	None
27	7
28	Derivation on 3, 10-18
29	31-32

Electric Forces Chapter 23 12.2, A.3 (a) and (b) _____

Electric Fields Chapter 24 8.4, 9.4 _____

Electric Potential and Potential Energy Chapter 25 C.1, 2.3, 3.3 _____
 8.3(a), 17.5, 14.3,
 14.3 (c) Calculate the maximum speed of each electron.

*****QUIZ*****			_____
Practice Problems	Chapter 25	C.2, C.4, C.7 1.3, 3.2, 4.2, 5.2, 7.4, 8.1 8.5, 11.1, 12.7, 17.6	_____

Resistor Circuits Chapter 29 3.3, 4.8, 7.10, _____
 14.2, 20.2

Capacitor Circuits and RC Circuits Chapter 28 3.4 _____
 Chapter 29 26.5, 28.6
 Additional problem #1

*****TEST*****			_____
Practice Problems	Review problems for the quiz above		_____
	Chapter 27	5.6	
	Chapter 29	C.13, C.16, C.17, 3.7, 4.1, 6.1, 7.7, 11.9, 26.3, 28.5	

LAB: Kirchoff's Laws and Resistor Circuits _____

Unit 7: Magnetism

Chapter	Pages to Skip
30	24-27
31	6-13
32	14-30

Magnetic Forces and Magnetic Fields	Chapter 30	7.5, 16.3, 22.3	_____
	Chapter 31	C.7, 3.8, 3.18(a)	
Electromagnetic Induction	Chapter 32	C.4, 7.3, 9.1	_____

*****TEST*****			
Practice Problems	Chapter 30	C.9, C.13, C.15, 7.1, 10.5, 10.6, 13.3	_____
	Chapter 31	1.1, 3.2, 3.4, 3.11	
	Chapter 32	5.2, 7.1	

LAB: Magnetic Field at the End of a Solenoid _____

Unit 8: Electromagnetic Waves

Chapter	Pages to Skip
34	3 – 16, 18-23
35	None
36	None
37	17-25
38	None
39	7 – 12, 15-16

Light and Snell's Law	Chapter 34	1.4	_____
	Chapter 36	3.5, 11.3, A.3	

*****QUIZ*****			
Practice Problems	Chapter 34	1.1, C.7 (polarization)	_____
	Chapter 36	C.4, 2.4, 3.4, 14.2	

Mirrors and Lenses	Chapter 35	5.5, 16.10, 16.13	_____
	Chapter 37	C.3, C.6, 7.6	

Interference Effects	Chapter 18	14.1	_____
	Chapter 38	4.3, 9.4, 12.1	
	Chapter 39	5.8, 13.4	

*****TEST*****

Practice Problems

Review Problems for Quiz Above

Chapter 36 C.4, 3.7, 11.4, 14.1
Chapter 35 C.6, C.7, 16.4
Chapter 37 C.1, 7.3, 7.13
Chapter 38 C.1, C.6, 3.10, 9.3, 12.2
Chapter 39 5.4, 13.3, A.1

LAB: Snell's Law

LAB: Wavelength of a Laser

Unit 9: Atomic and Nuclear Physics

Chapter	Pages to skip
40	All (but it's on the SAT Subject Test and very interesting)
41	2-3, 13-25
42	2-3, 10-11
43	7, 18-22 (on the SAT Subject Test, though)

***NOTE: The Compton Effect is covered more mathematically in our textbook than on the AP.**

Photons and Matter Waves

Chapter 41 4.3, 6.1, 6.4
Chapter 42 C.2, 4.5

Nuclear Reactions

Chapter 43 9.1, 15.4, 15.6
Additional problems #2, #3, and #4

*****TEST*****

Practice Problems

Chapter 40 16.1
Chapter 41 C.2, C.3, 6.3
Chapter 42 C.3, 1.2, 2.3, 4.1, 4.3
Chapter 43 C.3, C.4, C.10, 13.1

Unit 10: Torque and Equilibrium

Chapter	Pages to Skip	Not in AP Phys B curriculum
11	3-29	Pages 3 onward
12	3-15	Pages 3 onward

Torque and Equilibrium

Chapter 11 2.4
Chapter 12 1.12

After completing unit 10, we will spend the rest of the year reviewing for the AP Exam. You can anticipate a cumulative exam covering the entire year during the review period.