

Physics 30 Results and Feedback
Final Exam
Student A

Unit	Item type	Concept and Practice	Specific Feedback	Question Value	Your Score
Impulse and Momentum	MC	Concept: Determine momentum, velocity or mass in an explosion. Workbook: Page 77, Question 14		1	0
Electrostatics	MC	Concept: Problem-solving using Millikan experiment Workbook: Page 121, Question 7		1	0
Electrostatics	MC	Concept: Determine the electrostatic force acting on a charge, from a set of point charges. Workbook: Page 92, Question 16		1	0
Electrostatics	MC	Concept: Determine the charging method and resultant charge for a description of electrostatic charging Workbook: Page 83, Question 4		1	0
Electrostatics	MC	Concept :Determine the electric field in two dimension produced by point charges. Workbook: Page 103, Question 15		1	0
Electromagnetism	MC	Concept: Determine the direction of the magnetic field surrounding bar magnets Workbook: Page 137, Question 5		1	0
Electromagnetism	MC	Concept: Determine the direction of the magnetic field around a current carrying conductor Workbook: Page 140, Question 5		1	0
Electromagnetism	MC	Concept: Determine the direction of the magnetic force acting on a charged particle. Workbook: Page 147, Question 4		1	0
Light as a Wave	MC	Concept: Explain how EMR is produced. Workbook: Page 189, Question 5		1	0
Light as a Wave	MC	Concept: Compare and contrast the visible spectra produced by diffraction gratings and triangular prisms. Workbook: Page 232, Question 1		1	0
Light as a Wave	MC	Concept: Describe, quantitatively, simple optical systems, consisting of only one component, for curved mirrors Workbook: Page 228, Question 7		1	0
Light as a Particle	MC	Concept: Analyze and interpret empirical data from an experiment on the photoelectric effect, using a graph that is either drawn by hand or is computer generated Workbook: Page 267, Question 32		1	0
Atomic Physics	MC	Concept: Explain, qualitatively, the characteristics of, and the conditions necessary to produce, continuous line-emission and line-absorption spectra Workbook: Page 290, Question Example 1		1	0
Light as a particle	WR	Concept: Explain, qualitatively and quantitatively, the Compton effect as another example of wave-particle duality, applying the laws of mechanics and of conservation of momentum and energy to photons. Workbook: Pge 276, Question 22, 23		3	2

Unit	Potential Score	You Scored	Percentage	Midterm
Impulse and Momentum	9.5	8.5	89%	75%
Electrostatics	9	5	56%	62%
Electromagnetism	8	5	63%	70%
Light as a Wave	14	11	79%	
Light as a Particle	14.5	12.5	86%	
Atomic Physics	15	14	93%	
Totals	70.0	56.0	80%	