

Overview

Multi-choice test that measures the knowledge of classical mechanics, Newton's laws of motion, electromagnetism, EM waves, thermodynamics and modern physics.

Relevant Job Roles	Physicist, Physics Teacher, Laboratory Analyst, Laboratory Technician
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Details	Language	English (US)
	Average Testing Time (minutes)	08 minutes
	Allowed Time (minutes)	15 minutes
	Maximum Number of Questions	15 questions
	Number of Sitzings	One
	Test Type	Multiple Choice - CTT
	Sector	Healthcare
	Scores Reported	<ul style="list-style-type: none"><li>• Overall Score</li><li>• Classical Mechanics</li><li>• Electromagnetism</li><li>• Thermodynamics</li><li>• Modern Physics</li></ul>
O*NET Competency		Physics

Knowledge, Skills, Abilities And Competencies Measured	<div>The following areas are covered:</div> <ul style="list-style-type: none"><li>• Fluid mechanics</li><li>• Oscillations and waves</li><li>• Rest, motion and friction</li><li>• Work and energy - center of mass, linear momentum, collision</li><li>• Electric field and potential</li><li>• EMI and EM waves</li><li>• Gauss's law and capacitors</li><li>• Geometric optics</li><li>• Interference, diffraction, polarization and laser optics</li><li>• Magnetic properties of matter</li><li>• Bohr's model and physics of atoms</li><li>• Heat, temperature and specific capacity of gases</li><li>• Kinetic theory of gases and thermodynamics</li><li>• Photoelectric effect</li><li>• Wave-particle duality and electric current through gases</li></ul>
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