

**Course ID:** SCI101 **Course Name:** General Physics **Test Name:** Newton's Laws in Motion  
**Test Type:** Essay

**Scoring Criteria (Total: 50 points)**

<b>Criteria</b>	<b>Description</b>	<b>Points</b>
<b>Understanding of Newton's Laws</b>	Clearly explains Newton's three laws and applies them correctly to the scenario.	15 points
<b>Application of Scientific Principles</b>	Uses real-world examples or calculations to support explanations.	10 points
<b>Logical Organization &amp; Clarity</b>	Ideas are presented in a logical, coherent manner with smooth transitions.	10 points
<b>Scientific Accuracy</b>	Responses are factually correct and based on scientific concepts.	10 points
<b>Grammar, Syntax &amp; Vocabulary</b>	Writing is clear, with minimal grammar or spelling mistakes.	5 points

**Detailed Science Rubric**

<b>Criteria</b>	<b>5 (Excellent)</b>	<b>3-4 (Proficient)</b>	<b>1-2 (Developing)</b>	<b>0 (Needs Improvement)</b>
<b>Understanding of Newton's Laws (15 pts)</b>	Fully explains and applies all three laws accurately.	Explains all three laws but with minor misunderstandings.	Explains one or two laws, but with errors or missing key concepts.	Does not explain the laws or explanations are completely incorrect.
<b>Application of Scientific Principles (10 pts)</b>	Provides strong real-world examples and calculations.	Uses examples, but some are weak or lack explanation.	Few or irrelevant examples with little explanation.	No real-world applications or supporting examples.
<b>Logical Organization &amp; Clarity (10 pts)</b>	Well-structured response with clear progression of ideas.	Mostly organized but has some awkward transitions.	Lacks clear structure, making it hard to follow.	Disorganized with no logical flow.
<b>Scientific Accuracy (10 pts)</b>	All statements are scientifically accurate and well-supported.	Mostly accurate with minor factual errors.	Several major errors or misunderstandings.	Responses contain significant scientific inaccuracies.
<b>Grammar, Syntax &amp; Vocabulary (5 pts)</b>	Writing is polished with few to no errors.	Some grammar and spelling mistakes but overall readable.	Frequent errors that affect readability.	Major grammar and spelling issues make comprehension difficult.

