

Student name _____

Mechanics and effort [20%]

- Manuscript contains required sections with proper formatting and grammar
- Demonstrates actual work done by student
- Each section contains relevant and sufficient information
- Acknowledges previous work, background research, assistance
- Shows deep understanding of problem and principles

____ /10

Clarity [30%]

- Student work is clearly and logically presented
- Data is appropriately treated and displayed
- Graphics are appropriate and support the narrative

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Analytical approach [20%]

- Experimental/design approach addresses the stated problem
- Collected data supports the conclusions
- Appropriate attention to safety

____ /10

Thoroughness [20%]

- Enough detail that the study could be replicated
- Multiple data sets or iterations
- Computer/engineering project – model thoroughly tested

____ /10

Creativity and innovation [10%]

- Use of novel methods or materials
- Novel treatment of outside data or use of algorithms

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