

1.1. The PROBLEM - (50 points)

1.1.1. What is the problem being solved and the purpose of the project?

1.1.2. Who will benefit

1.1.3. Is the problem and the impact of the problem quantified

CATEGORY	25	20	15	8	Student Score
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	Report illustrates an accurate and thorough understanding of scientific concepts underlying the lab.	Report illustrates an accurate understanding of most scientific concepts underlying the lab.	Report illustrates a limited understanding of scientific concepts underlying the lab.	Report illustrates inaccurate understanding of scientific concepts underlying the lab.	

1.2. COMPETITIVE TECHNOLOGIES (50 points)

1.2.1. What is the current state-of-the-art technology in the field of your invention

1.2.2. Are there related technologies

1.2.3. Does intellectual property exists

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1.3. YOUR INVENTION PROPOSED SOLUTION (50 points)

- 1.3.1. Why and how is your proposed invention unique and inventive
- 1.3.2. Who will benefit from this invention
- 1.3.3. How is the invention useful
- 1.3.4. Is there user input

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1.4. PERFORMANCE SPECIFICATIONS OF THE INVENTION (50 points)

1.4.1. What is the context in which the invention will be used

1.4.2. Why is it technically feasible?

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1.5. INTELLECTUAL PROPERTY SEARCH (50 points)

1.5.1. www.uspto.gov

1.5.2. www.freepatentsonline.com

1.5.3. Conduct internet searches about similar and related products

1.5.4. Is idea exists commercially and is marketed

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1.6. SUMMARY (50 points)

- 1.6.1. Current statistics related to chosen problem
- 1.6.2. Issues that speak directly to your problem and the need for an invention to solve a problem
- 1.6.3. CAD drawings
- 1.6.4. Diagrams

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