

Criterion Does Not Meet the Standard (0)	Criterion Standards: Refer to listed requirements. To be scored, student Name & Class Block must be on Scientific Inquiry <input type="checkbox"/> Inquiry requirements not in report or NHI (Not Handed In) or NN (No Name paper)..... 0 Inquiry must follow suggested layout to be scored. Inquiry will not be scored if difficult to read.	
Problem <i>State</i> (1)	State Title: Title is usually shorter than the question or problem stated <input type="checkbox"/> Title of Scientific Inquiry stated 1 State Problem <input type="checkbox"/> Problem is stated as a “How” or “Why” question..... 1 Problem or Question should identify the purpose of the investigation	
Hypothesis <i>State</i> (2)	State Hypothesis <input type="checkbox"/> Hypothesis is stated using If....then....because... format 2 Hypothesis prediction makes sense and is easy to understand Easy Hint: IF Statement followed by Independent Variable (Factor you intentionally change and manipulate) ... THEN Statement followed by (What is impacted, Dependent Variable) <i>because</i> (Why you think your prediction will occur)	
Materials <i>State</i> (2)	State Materials <input type="checkbox"/> Materials needed and/or used are stated in a list 2 List should be in column form - Not written in sentences or in a paragraph <input type="checkbox"/> Bibliography: Research Resources Cited - NOT Required for in Class Labs 2 Require 1 – 3 sources cited for MYP Level 1 Rubric Assessments & Science Fair Projects	
Testing Procedure <i>Describe & Apply</i> (3-4)	Describe Testing Procedures <input type="checkbox"/> Describe HOW you will test hypothesis (List steps sequentially) 3 <input type="checkbox"/> Describe HOW data will be collected (measure, count, etc.) 3 Apply Knowledge: Identify Testing Variables & Follow Safe Testing Procedures <input type="checkbox"/> Independent & Dependent Variables are correctly identified and listed 4 What is changed intentionally (Independent variable) & What is impacted (Dependent variable) <input type="checkbox"/> Safety Procedures Followed and Materials used correctly (Teacher observation in class) 4 Accurate measurements, Careful with equipment, Gentle with Living species, No horseplay, Stay on task, etc	
Data <i>Explain Visually</i> (5-6) Data should include a minimum of 3 trials & the Average of each	Explain Visually: Data Chart – Data Table <input type="checkbox"/> Quality: Charts, Tables, Diagrams & Pictures 5 <input type="checkbox"/> Data Tables/Charts are titled, neat, clearly labeled & easy to read <input type="checkbox"/> Uses metric system of measurement to explain gathered data; Pictures explained Explain Visually: Data in a Graph <input type="checkbox"/> Quality : Graphs, Diagrams & Pictures 6 <input type="checkbox"/> Graphs are title, neat, clearly labeled & easy to read <input type="checkbox"/> Variables are clearly and correctly labeled on X – Y axis; Pictures explained	
Analyze Results <i>Analyze</i> (7)	Analyze Results: Summary Statement (1 – 3 sentences max) <input type="checkbox"/> Analysis Statement. What does the data show you? 7 Are the results (data analysis) of your experiment supportive, mixed, surprising, strong or weak, etc? Analysis of Relationship, Impact or Trend (1 or 2 sentences max) <input type="checkbox"/> Analysis of Relationship, trend and/or impact: 7 Does your experiment show a cause & effect relationship, show impact or predictable trend? Example: When weight is added on one side of a balance scale it causes the other side to _____	
Conclusion <i>Evaluate & Reflect</i> (8)	Conclusion Statement (1-3 sentences max) <input type="checkbox"/> Conclusion: Did you prove your hypothesis (Yes – No – Maybe – Inconclusive) 8 What can you conclude from your inquiry? Evaluate & Reflect on Inquiry (1-3 sentence max for each) <input type="checkbox"/> Evaluation: How accurate & reliable is inquiry? Is inquiry flawed? Results repeatable?..... 8 <input type="checkbox"/> Reflection: If you did this experiment again, what would you change and why?..... 8	
1 - 2 3 - 4 5 - 6 7 - 8	Comments: _____ _____	MYP Lab Report Grade:

Sample Guide: Use this **INCOMPLETE Example** to help guide you in the Layout of Your Written Inquiry.
Inquiry should be written in Labeled Sections in correct Sequential Order

(Title your Lab) For example: Color and Temperature

Problem (State - 1)

Example: How does color affect temperature?

Hypothesis (State - 2)

If I put different colors of paper under light

ThenI predict the temperature(s) will ... (or something similar)

Because

Materials (State - 2)

List

- 1.
- 2.
- 3.

Bibliography – NOT Needed for Class Labs

- 1.
- 2.

Testing Procedures (Describe 3 - 4)

Describe how you will testing the Hypothesis

I will record the temperature of the paper (Over time) ... Etc.

Describe how you will Collect Data

I will document my observation(s) in ... Etc.

Variables

Independent variable: Different colors of Papers

Dependent variable: What will you measure?

Lab Procedures: Not required for Labs done in Class as We Discuss Procedures in Class.

I will accurately read the temperature (measurements) on the thermometers in degrees Celsius

For safety, I will follow safe lab procedures as described by my teacher.

Analyze Results (Analyze - 7)

Analysis Statement

The data showed ...

Analyze Relationship, Impact or Trend ...

The data indicates

Conclusion (Evaluate & Reflect - 8)

No, Yes, Maybe or Inconclusive ... etc

Conclusion Statement

I learned ...

Evaluation: Accurate – Reliable or Not Accurate - Not Reliable – Evaluate why?

I believe the evidence (data) is

Reflection: Your thoughts on this experiment

This Inquiry ...