Science Fair Research Paper Part 3:   Name_____

Results, Data Analysis, Conclusion and Abstract   _____/20

Data/Results
- Qualitative Data and/or Quantitative Data

0	1	2
The data is incomplete or not present.	Data is included but not detailed or inconsistent.	Data is included and well organized.

- Charts/graphs/pictures should be used to help showcase your data and results.

0	1	2
No charts, graphs, or pictures are present.	Charts, graphs, pictures are used but include minor errors, are incomplete, or are not relevant to the project.	Charts, graphs, pictures are included and are well organized, accurate, and relevant to the data.

- **Enough data was collected to support conclusions (Multiple trials should be conducted so that you can average the data collected.)**

0	1	2
No data was gathered.	Data was gathered, but from minimal trials (less than 3).	Multiple trials were used to gather significant data.

Data Analysis
- **Analysis of data** using mathematical and statistical methods

0	1	2
Interpretation of data/analysis was not included.	Interpretation is attempted, but is missing statistical methods or detail.	Interpretation of data/analysis is accurate, complete, and uses statistical methods.

- **Identification of variables that could have impacted the results.**

0	1	2
There is no acknowledgment of variables that could have impacted results.	Variables that could have impacted results are acknowledged but implications are not discussed.	Variables that could have impacted results are acknowledged, described and implications are discussed.

Conclusion
- **Reflection on hypothesis** and how it relates to the results

0	1	2	3	4
There is no conclusion.	The conclusion is not supported by the data collected and does not discuss hypothesis.	The conclusion discusses the hypothesis, but does not reflect the data collected.	The conclusion accurately reflects the data collected in the experiment but does not discuss hypothesis.	The conclusion accurately reflects the data collected in the experiment and does discuss hypothesis

- **Description of next question(s) to test**

0	1	2
There is no description of next questions to test.	Description of next questions to test is attempted but is not well thought out and/or realistic.	Description of next questions to test are discussed, thoughtful and realistic.

Abstract - 250 words or less
   Introduction, Statement of Problem/Hypothesis, Variables Described, Procedures (brief synopsis), Results/Data, Conclusion

0	1	2	3
There is no abstract.	Abstract is included but is missing 3 or more components.	Abstract is included but is missing 2 components.	Abstract is included and has all components.