

Soda & Mentos Abstract

When you present your science project, an important component will be your abstract. This will give the reader/observer/judge a brief overview of your entire project. It should summarize the purpose, methods, and results of your project, as well as any important implications it may have. Your abstract should be a maximum of 250 words, or about 3 paragraphs.

The first paragraph should discuss the purpose of your project and a summary of your procedures. It should identify your research question and any background information that is important for the reader to understand, such as a real-world problem related to your research or a specific observation or instance that inspired your research. When summarizing your procedures, avoid giving a step-by-step list; instead, write a brief narrative about what you did.

Your second paragraph should be a discussion of your data. Describe what you observed and any patterns in your measurements that led you to your conclusion. You will not be providing any visuals to assist your discussion of data, so you'll have to be very descriptive of the patterns and relationships.

Your final paragraph will state your conclusion, or your claim, and discuss any implications your research may have outside of your own project. Judges love to see students considering how their research can impact the environment, society, or even future research, so think of ways that your project is related to real-world problems in need of a solution.

For your Soda and Mentos Abstract, follow the rubric below to earn full credit:

Paragraph 1 – Purpose and Procedures	Peer Review 1			Peer Review 2		
1. Did the author clearly state the research question?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
2. Did the author provide any background information about the topic such as a real-world problem or the inspiration for the project?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
3. Did the author clearly and concisely summarize the procedures while avoiding a "list of steps"?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Reviewers: If you made any "No" or "Partially" marks in this section, please explain how the author could improve this part of his/her report.						
Paragraph 2 – Data Discussion	Peer Review 1			Peer Review 2		
4. Did the author describe the data observed/measured in the investigation?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
5. Did the author discuss patterns or relationships within the data?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Reviewers: If you made any "No" or "Partially" marks in this section, please explain how the author could improve this part of his/her report.						
Paragraph 3 – Conclusion and Implications	Peer Review 1			Peer Review 2		
6. Did the author clearly state a conclusion that directly answers the research question?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
7. Did the author discuss important implications of the research outside of this project?	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Partially	<input type="checkbox"/> Yes
Reviewers: If you made any "No" or "Partially" marks in this section, please explain how the author could improve this part of his/her report.						