



Module 6: Writing Your Abstract

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Part 1: How to Organize an Abstract

Use your noggin! What order do you think these parts of an abstract should be in? Here's a hint - it's similar to the scientific method and the way we've learned about it this year!

Order in Abstract

First

Second

Third

Fourth

Fifth

Sixth

Part of Abstract

The observation you made that led to your research question

A summary of your results

Introduce the background and significance of the topic of your experiment

A short explanation of your experimental design and how you collected data

A single sentence stating your conclusion based on your evidence

What your hypothesis is (in the standard If/Then format)

Answer the following question below:
Why do we use abstracts to explain our experiments?



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Part 2: Let's Write Your Abstract

While watching the last video fill out the table below. You can use Gemma's abstract for inspiration. When you are happy with your full sentences you can submit your answers for comments from our mentors using the link in the module.

| Part of Abstract | Gemma's Abstract Sentence(s) | Your Abstract Sentence(s) |
|--|--|---------------------------|
| Introduce the background and significance of the topic of your experiment | "As pollution production has increased in recent years, acid rain has become a more prominent problem causing damage to our natural ecosystem, damaging plant and animal health." | 1 |
| The observation you made that led to your research question | "While I was looking at areas with lots of acid rain, I noticed that the rocks looked more broken, so I questioned if an increase in acid rain would weaken rocks, which may then damage natural or man-made rock structures." | 2 |
| Your hypothesis statement (in if/then format) | "I hypothesize that if rocks are kept in an acidic environment, then the rock will weaken tremendously." | 3 |
| A short explanation of your experimental design and how you collected data | "I collected rocks from a beach near me that were equal in size, shape, and color. Rocks were left in either lemon juice or water overnight and then I tested their strength using the Moh's hardness test." | 4 |
| A summary of your results and findings | "I found that the rock soaked in lemon juice was scratched easier than the one left in water." | 5 |
| A single sentence stating your conclusion based on your evidence | "Based on my experiment, I can conclude that more acidic solutions cause rocks to weaken in strength." | 6 |