

Conclusion: Create an exciting end to your story that explains what happened to the suspects and the outcome of the investigation

The Final Problem

Your final task for your Sherlock Holmes experience to create your own Sherlock Holmes story in which you are the star! Using **First Person** voice, you will retell the story of the stolen whiteboards and how the crime was solved by observing physical and chemical changes.

CREATIVITY is Encouraged

You should have fun with this assignment. Be creative in your descriptions of the suspects, you can invent additional characters and backstory if you like. Your story should follow your story planning guide, but feel free to organize your story however you like as long as all of the information from the guide is included.

Mandatory Content: Your story must include each of the following words (most of them you will use more than once)

Chemical Change Physical Change Physical Property
Acetic Acid Water pH Indicator Iodine Reaction

Your story must also identify and include descriptions of at least **5 Chemical and 5 Physical Changes** that helped you solve the crime.

Sherlock Holmes: The Proof is in the Powder



Detective _____

Teacher _____ Block _____

	Suspect 1	Suspect 2	Suspect 3
	Powder 1	Powder 2	Powder 3
Physical Properties			
Acetic Acid Test			
	Physical/ Chemical	Physical/ Chemical	Physical/ Chemical
pH Indicator test			
	Physical/ Chemical	Physical/ Chemical	Physical/ Chemical
Water Test			
	Physical/ Chemical	Physical/ Chemical	Physical/ Chemical
Iodine Test			
	Physical/ Chemical	Physical/ Chemical	Physical/ Chemical

How did you solve the crime? (This section of the story should be the longest and most detailed) It's the most exciting part!

What are at least 5 **chemical** and 5 **physical** you observed that helped you solve the crime?

Chemical Changes	Physical Changes

Story Pre-Writing Outline

Complete this pre-writing outline and use it to create your very own mystery story starring you!

Introduction: The beginning of your story should introduce your characters and set the scene

Narrator _____ (you)

Partner _____

The table below describes the suspects, their motivations, and their powders. This information should be included in your story.

Wilma DaCook	Jamie Biceps	Chuck Jones	Spiros Kneadkos	Bruno Breadman	Sara H. Suds.
Design new Recipes	Plan New Workouts	Write out schedule	Design new Breads	Design a bakery	Label Wash Machines
Cornstarch	Gold Bond	Baby Powder	Baking Soda	Baking Powder	Washing Soda

What is the setting for your story? (**Where** and **when** does the story take place?)

What is the crime?

Suspect 4	Suspect 5	Suspect 6	
Powder 4	Powder 5	Powder 6	Crime Scene Powder
Physical/ Chemical	Physical/ Chemical	Physical/ Chemical	Physical/ Chemical
Physical/ Chemical	Physical/ Chemical	Physical/ Chemical	Physical/ Chemical
Physical/ Chemical	Physical/ Chemical	Physical/ Chemical	Physical/ Chemical
Physical/ Chemical	Physical/ Chemical	Physical/ Chemical	Physical/ Chemical

The Crime Scene Powder is

The Thief is

Because

Analysis Questions

1. Explain why you think there is (or isn't) enough evidence to convict the suspect

2. Explain how you **identified** the unknown powder and which physical and chemical changes helped you come to your conclusion.