



Chemistry Research Paper

1. Topic Selection

- ❖ Choose a chemistry-related topic that aligns with your interests and academic level.
- ❖ Ensure the topic is specific enough to allow for in-depth research but broad enough to find sufficient information.
- ❖ Obtain teacher approval for your topic before proceeding.

2. Research Requirements

- ❖ Use at least five credible sources (scientific journals, textbooks, government websites, and academic databases).
- ❖ Properly cite all sources in APA or MLA format (as specified by your instructor).
- ❖ Avoid unreliable sources such as Wikipedia or non-scientific blogs.

3. Paper Structure

A. Title Page

- ❖ Include the title of your research, your name, class, teacher's name, and date.

B. Abstract (150-250 words)

- ❖ Summarize the research question, hypothesis (if applicable), methodology, key findings, and conclusion.

C. Introduction (1-2 pages)

- ❖ Provide background information on your topic.
- ❖ Explain its significance in chemistry and real-world applications.
- ❖ State your research question or hypothesis.

D. Methodology (if applicable, 1-2 pages)

- ❖ Describe any experiments, procedures, or calculations performed.
- ❖ Include details on materials, steps taken, and safety precautions.
- ❖ If no experiment was conducted, explain how you gathered and analyzed information.

E. Results & Discussion (2-4 pages)

- ❖ Present your findings clearly (use tables, graphs, or chemical equations if necessary).
- ❖ Analyze and interpret the results in relation to existing research.
- ❖ Discuss any errors, limitations, or unexpected outcomes.



F. Conclusion (1 page)

- ❖ Summarize key findings and their implications.
- ❖ Restate how they answer the research question.
- ❖ Suggest possible future research on the topic.

G. References

- ❖ List all sources in APA or MLA format.
- ❖ Ensure proper in-text citations throughout the paper.

4. Formatting Guidelines

- ❖ Font: Times New Roman, 12 pt
- ❖ Spacing: Double-spaced
- ❖ Margins: 1-inch on all sides
- ❖ Length: 5-10 pages (excluding title page and references)
- ❖ Page Numbers: Include in the header/footer

5. Evaluation Criteria

- ❖ Clarity & Organization (20%) – Logical flow of ideas, well-structured sections.
- ❖ Depth of Research (25%) – Use of credible sources, strong understanding of topic.
- ❖ Analysis & Critical Thinking (25%) – Interpretation of data, discussion of results.
- ❖ Grammar & Style (10%) – Proper spelling, grammar, and formal academic tone.
- ❖ Citations & Formatting (15%) – Correct citation format and adherence to guidelines.

6. Submission Requirements

- ❖ Submit both a digital copy (via email or LMS) and a printed version by the deadline.
- ❖ Late submissions may result in grade deductions unless prior approval is granted.