

Urban Advantage's Suggested Sections and Layout of the Science Investigation Poster

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Question

How will... affect...?

Hypothesis

If... then... because...

Background Information (related to the hypothesis)

Use this section to explain the scientific thinking behind the hypothesis (the "because..." part of the hypothesis)

Investigation Design

Write the 5 components of Investigation design here (IV, levels of the IV, number of trials, DV and constants).

Option: display a table or graphic organizer containing this information

Title

The effect of... on...

Student's name and School

Procedure

List materials and describe procedures step-by-step

Data/Results

Got Data? Use data to answer the original question. Include:

Tables and Graphs

Report the data.
Graph the data.

Data Analysis

Summarize trends or patterns in the data. For example: As the amount of... increased, the amount of... decreased.

Discussion/Conclusion

State: Was the hypothesis supported or not supported by the data.

Construct a Scientific explanation: A scientific explanation connects the results of this investigation to other scientific knowledge already available on the topic. A scientific explanation consists of: (a) a claim, (b) the evidence/data that supports this claim, (c) reason(s) for these results using the scientific knowledge already available on the topic.

Reflections: on possible sources of experimental error, on unexpected results.

Next Steps: Suggestions for further investigations.

Literature cited