

Journal Article Composition assignment sheet

Now that you have designed a scientific experiment, collected data, and made conclusions, prepare a short scientific report in the format of a scientific journal article. Include the following sections.

Title (1 sentence)

Make a title for your experiment.

Abstract (2-3 sentences)

This is a very short summary of your work, so someone could read it quickly and decide if they want to read the rest of the report. State briefly what you were trying to figure out and what your results were.

Introduction (at least 3 sentences)

State how you thought of the experiment (e.g., did it come from a book, website, your own imagination). State what scientific principle you wanted to test. State why you were interested in doing this experiment and what your hypothesis was.

Materials and methods (procedures and variables)

This is where you put the procedures for your experiment. Also identify the Manipulated Variable (MV), Responding Variable (RV), and Controlled Variables (CVs).

Results (data and at least 1 Figure)

This is where you put the data you collected. If you made a chart or a graph of your data, you can put it here. You can also include pictures here. Pictures, graphs, charts, and tables are called "Figures" in scientific journal articles. If you took notes during the experiment, you should summarize them here. Make note of anything that was unexpected, interesting, or disappointing.

Discussion (at least 4 sentences)

This is where your conclusions go. Be sure to state (1) whether your hypothesis was supported, (2) why or why not (using your data to show why), and (3) if you had to do the experiment again, what you might do differently to either learn more or get better results.