

Research Project

(Due on or before Monday Dec. 9, 3:30 p.m.)

This project will answer the following question: **"What advance in physics do you feel has had the greatest impact on history? Discuss the advance and justify your reasoning"** You should explain the advance from a scientific viewpoint and justify your answer from an historical viewpoint. You are encouraged to make use of both journals and books, in both the FHS Library and the Science Library at UNB.

The report should be a minimum of 7 pages double-spaced, typewritten PLUS a title page, references (I am not concerned with which format you use, MLA, APA or CMS as long as you are consistent), and diagrams (if included). The format used does not matter as long as you are consistent. The report should be free of spelling and grammatical errors and will be marked accordingly (5-10% of the value of the report). You will submit both a print and digital copy (by email)

While this is a research project, your opinions are welcome, although you must distinguish between accepted research and your opinions. Of course, any quote or idea which is not your own should be appropriately referenced. As a research report, for the most part, each paragraph has one main idea - which is not your - and should have at least one reference. Appropriate forms of reference can be found summarized online , or other similar reference material. Internet references must include the full address from which you obtained your information, as well as an author's name and date if possible. You are reminded that when referencing, *any idea which is not your own and is not common knowledge requires a reference*. Since each paragraph should contain one major idea, a rough guideline is to have one or more references *per paragraph*.

You are encouraged to discuss with me ways you may improve your report or your thesis statement and arguments. Please arrange a time outside of class to discuss things.

There will be no extensions. Any project received after Dec. 9 will be valued at 0.

The report will be evaluated using the rubric on the following page.

Evaluation Rubric

	Excellent (4)	Good (3)	Fair (2)	Poor (1)
Thesis Statement and Persuasiveness	Thesis statement is well defined and arguments are very persuasive.	Thesis statement is well defined and arguments are persuasive.	Thesis statement is defined and arguments are marginally persuasive.	Thesis statement is defined but arguments are unrelated or unconvincing.
Organization	Information is very organized with well-constructed paragraphs.	Information is organized with well-constructed paragraphs.	Information is organized, but paragraphs are not well-constructed.	The information appears to be disorganized.
Mechanics	No grammatical, spelling or punctuation errors.	Almost no grammatical, spelling or punctuation errors.	A few grammatical spelling, or punctuation errors.	Many grammatical, spelling, or punctuation errors.
Information	Information clearly relates to the topic. It is accurate and well explained.	Information clearly relates to the topic. It is accurate but some things are confusing.	Information clearly relates to the topic. There are inaccuracies and/or it is not well explained .	Information may not clearly relate to the topic. There are many inaccuracies and it is poorly explained.
Data and Sources	All sources (information and graphics) are accurately documented in a consistent format. All minimum requirements have been met or exceeded	All sources (information and graphics) are accurately documented, in a consistent format. Minimum requirements have been met.	All sources (information and graphics) are accurately documented, Minimum length requirements have not been met.	Some sources are not accurately documented. Minimum length requirements are not met.