

Layla Johnson

Prof. Rinehart-Kim

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### Writing Assignment 2

A primary article, also known as an empirical research article, refers to an article that is based on original research, work, and findings. A scientist would carry out an experiment or research and report their findings in an essay or journal format. These articles are intended for a primarily academic audience, and it typically is made up of the peers of the author as well as other scientists who are knowledgeable in the field that the article is about.. The main components of a research article include the introduction, methods, results, discussion, and references.

A review article refers to an academic publication that serves to summarize and analyze primary articles. This type of article provides more understanding for readers who may not be well versed on the topic presented in a primary article, as its audience extends beyond people who work in that specific scientific field. It focuses on one particular component of the research and is not necessarily deeply extensive.

The scientific peer review process describes the steps taken by an author to get their work published by a scholarly journal. There are a few major steps that must be taken before this can happen. First the author that wants their research to be published sends it to an editor. Once received the editor will determine whether or not the article is a good fit for the journal. If the article makes it past this stage the next step is for it to be reviewed by peers of the author,

sometimes called referees. They are well versed in the topic of research that the article is about. This is the most important step in the peer review process. The “referees” ask questions about the article in order to determine if it should be recommended for publication or not. They ask questions about the research’s importance, logic, and originality and then send it back to the editor with their stamp of approval. The journal editor gets the final say in whether or not it should be published. In waiting for the editor to make this decision, months or years may go by. If it is published the article is then made available to subscribers and sent to university libraries, as subscriptions to scholarly journals are very expensive.

Work Cited

Cornell University Library. "Tutorial: Scholarly Literature Types: Primary vs. Secondary Articles." *LibGuides*, 2021, <https://guides.library.cornell.edu/scholit>. Accessed 7 February 2025.