

## Writing Assignment #2

Primary articles are research reports written by investigators about their new scientific findings from their original studies. They usually include the following sections: "Introduction", "Methods", "Results", "Discussion", and "References". Often, these articles are peer-reviewed to ensure that they are of high quality and are upheld to a standard of academic integrity. There are various types of primary articles with varying standards which achieve a similar goal through different methods, they have varying strength of conclusions.

Review articles are reports which evaluate the research of an investigator's primary research article. Review articles are often more straightforward summaries of a research topic which provide a comprehensive overview. They do not present new experimental results, however, they identify trends or areas of a topic which are still unknown.

The process for a peer-reviewed article to be published is very slow and can take up to years. First, a researcher must write a draft article of their findings and submit it to a scholarly journal. The journal's editor reads the draft to decide whether it is appropriate for the journal. If it is a good fit, copies of the draft are sent to a group of experts in the article's topic for evaluation. These reviewers decide if the article is interesting, important, if the methodology is sound, if the conclusions are logical, and if the findings are original. The reviewers then recommend to the editor whether the article is worthy of publication. The editor has the final decision whether the article is accepted, rejected, or revised. The author is expected to revise the article before the final publication.