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Writing Assignment 1

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A primary article, also known as an empirical article, is a report of new scientific findings. This type of article usually consists of an introduction, what they did or methods they used, discussion and references. Typically, a primary research article is peer reviewed by professionals or experts in that field of study (1). A primary research article should not be confused with a reviewed article in science because they are vastly different. A review article is a “readable synthesis of the best resources” on the topic at hand (2). This is usually a collection of materials that have been discovered or researched in science previously; as opposed to a primary article which presents new findings. There are two types of review articles -- one in plain English called a narrative review which caters to a larger layman audience, and the other, a systematic review which is topic specific and targets the appropriate professionals in that field (2). Both types of review articles may be found in a peer reviewed journal which is a collection of documented works of various scientific endeavors in a specific field or discipline.

A peer reviewed journal sets itself apart from the typical popular magazine by its standards of fact checking. There are three types of peer reviews. An open peer review is when the author of the manuscript and the expert reviewer know one another. In some cases, the author has recommended this expert to review their work. An editorial board peer review is when a set of editors does the review. The author may or not may be known to the editors. A double-blind peer review is when the manuscript is sent to two and sometimes up to four reviewers outside the journals scope of reviewers. In this type of peer review neither the author nor the reviewer knows one another. At the end of the review one of four recommendations publish as is, needs work – questions unanswered or too many errors, does not meet journals focus, and do not publish (3). Ultimately, if you can meet the editor’s deadline and survive the reviews and revisions, you may be published in a peer reviewed journal.

Works Cited

1. Scholarly Literature Types: Primary vs. Secondary Articles,

<http://guides.library.cornell.edu/c.php?g=293669&p=2004549>

1. How to Write a Review Article?

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4548566/>

1. Identifying Peer Reviewed Journals,

<https://hsl.lib.umn.edu/biomed/help/identifying-peer-review-journals>