

Writing Assignment #2

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A primary article is an article that was written by someone who was in direct contact with the research being discussed in the article. Primary articles are usually presented as new findings in their specific field. Additionally, if a primary article is to be published, it must go through a peer-review process. A peer review process is a procedure where experts in the articles' field evaluate the legitimacy of the information. The sections in a review article also stand out from review articles as there are additional sections such as a Methods, Results, and Discussion section.

A review article is considered a "secondary source," meaning that it is an interpretation or analysis of a primary source. Some examples of review articles or sources would be textbooks, documentaries, or summarization articles. Review articles do not contain the Methods, Results, and Discussion sections. Review articles take the information out of those specific sections and summarize them to make the information easier to understand. This can make understanding the topic much easier and leads to efficient learning about the topic without having to interpret substantial amounts of data.

The peer review process is a very scrutinizing procedure that legitimizes the findings of a researcher's article. It starts when a researcher first finds a breakthrough to write about. Once they have finished their article, they will send it to a publisher for it to be evaluated on if it would fit with the journal's narrative. If the editor of the journal agrees to publish it, they will send it to a team of experts in the field to review the information. This is where the "peer review" happens. If the information in the article is not valid, the peers will reject it or ask for revisions to be made. If the peers agree that the article is soundly written, they will approve the article for publication and the editor will make the final decision on whether to post the paper.

Of the two articles, the *Huntington's Disease: Mechanisms of Pathogenesis and Therapeutic Strategies* is the review article and the *Permanent inactivation of Huntington's disease mutation by personalized allele-specific CRISPR/Cas9* is the primary article. The first named article is the review article because it contains no numeric data on the methods performed. There is no Methods, Results, or Discussion of the data in the latter article. In the second named article, it is a primary due to two significant differences. It contains numeric data of the experiments performed and what experiments were performed, and it has a Methods, Results, and Discussion section. These three important sections are what make it a primary source.