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### Writing Assignment #1

What is a primary article? Primary articles are to present the result of original research that makes a new contribution to the body of knowledge. Original materials, regardless of format, are considered primary articles. After conducting an original experiment, the author of a primary research paper offers a fresh set of findings from the original research that would be considered a primary article. A primary article is typically organized into sections that include, Abstract, Introduction, Methods, Results, Discussion/Conclusion, and References. When trying to identify a primary article, look if the author included themselves into the article. Also look for how they did the experiment, and why, and the results where the author explains the outcomes of their research.

What is a review article? New experiments are not reported in review papers. Rather, they try to offer a comprehensive overview of a topic by evaluating all or the best accessible scholarly literature on the subject. Review articles can assist in explaining the basics of a field of science, providing an overview of all of the research that has been done on a certain issue, and/or providing insight into ongoing academic debates. They can also assist in identifying research and scientific information gaps. Review articles aid in comprehending how current knowledge of a

topic has evolved through time and identifying gaps or inconsistencies that require additional investigation.

Peer review is a process of ensuring that new research is original and uses valid science. There are three main goals of the peer-review process: to verify the validity of a piece of academic work, to assure the quality of published research, and to expand networking possibilities among researchers. These peers are other researchers in the same field who evaluate the paper's quality, the validity of its methodology and results, and if the study adds something new to the literature or scientific knowledge for that subject. Before the manuscript is examined further, the editor may accept, refuse, or propose modifications based on the comments of these peers. This peer review contributes to the credibility of the literature.

The difference between the peer review process and a peer reviewed journal is that only publications that have gone through the formal editorial procedure are published in peer-reviewed journals. The peer review and assessment method is used to ensure that academic contents published in serials are safe, up to date, and of high quality. In peer reviewed journals It means that the article was written by a professional in the field or academic. Before offering comments to the author, the article was evaluated by other experts or academics in the area or on the topic, who assessed the piece for correctness and other signs of scholarship. Before the essay was published, the author made any required adjustments or modifications depending on the comments received.

The Primary article is “*The epidemiology and pathogenesis of coronavirus disease (COVID-19) outbreak*”. It’s the primary article because some key things that showed that this is a primary article is a research problem statement, or an explanation of what the researchers are

attempting to learn or establish via their research, background information about previously published research on the topic, methods where the author tells the reader what they did, how they did it, and why, results where the author explains the outcomes of their research. The review article is "*Identification of a new human coronavirus*". It's the review article because it is not a new experiment. It gives knowledge to what's already know and showing how credible a research is.

Work source:

- “Resource Guides: Biological Sciences Research Guide: Peer Review.” *Biological Sciences Research Guide*, 2018, [libraryguides.oswego.edu/c.php?g=191474&p=6293437](http://libraryguides.oswego.edu/c.php?g=191474&p=6293437).