

**BIOL 114 Understanding Viruses**  
**Rockville Campus**  
**Prof. Lester**  
**30 points**

**Assignment Chapter 11: Walter Reed – In the Interest of Science and for Humanity**

Read chapter 11 from “Microbe Hunters”. You will type a 4-5 page paper focusing on three things:

**Part 1**

This will be a ~1.5 page summary of the chapter. Include the disease being studied, where it was studied, the mode of transmission, and how prevention of transmission was determined – all based on this chapter, not any other sources!

**Part 2**

This will be a ~ half page critique of the politically incorrect and offensive comments made by the author. What did the author say that was so offensive and to whom? Why do you think the author felt comfortable writing this way?

**Part 3**

After reading this chapter, you should be somewhat disturbed with the human experimentation that occurred. Now you will research human experimentation in the United States. You will write ~2 pages describing two specific examples of humans being used as guinea pigs. Make sure you include where and when these experiments occurred. Explain the justification used by the researchers and the outcome for the patients. Do you think this research was justified? Why or why not? Were the researchers ever prosecuted or punished for what they did? Do you think they should have been prosecuted or punished? Why or why not? You must cite at least 2 references for this part of the paper.

**Format**

This paper must be typed, double-spaced with no more than 1 inch margins for anything. This means if you indent, the indented margin can be no more than one inch from the edge of the paper. You may need to adjust all margins to something like one half inch if you want to have subtitles or subsections.

Make sure to spellcheck and grammar check your paper before you submit it. Points will be taken off for multiple typos and non-standard grammar.

There must be a reference page with at least 2 references in proper format. Reports will not be accepted without references. References must be of a highly reputable nature such as [www.cdc.gov](http://www.cdc.gov), [www.nih.gov](http://www.nih.gov), [www.who.org](http://www.who.org), or other web sites sponsored by non-profit organizations, research institutions or governments. References with “pop-up” advertising are not acceptable.

References may be typed in either APA or MLA format. Remember to include citations in the body of the paper when you quote or paraphrase the source.

**Grading Scheme**

Part 1 – 6 points

Part 2 – 6 points

Part 3 – 8 points

Format – 5 points (typed, double-spaced, margins, length, spelling, grammar)

References – 5 points (reference page with at least 2 sources in proper format, citations within paper) See page 2 for more information and examples.

## GUIDELINES FOR USING REFERENCES

(Adapted from Jessica Baack)

- When using quotes, citations, and references it is important to remember that you are using someone else's information and to give the appropriate credit where it is due.
- A quote is a direct statement taken from a source and should always be in quotation marks. Quotes are generally used when the person quoted is of particular importance or if a word or phrase is relevant and necessary (i.e., Sir Isaac Newton once said, "If I have seen further than others, it is by standing upon the shoulders of giants.")
- A paraphrase conveys the idea from the source without using similar sentence structure and/or words. Paraphrases do not require quotation marks but must be referenced in the text and in the literature cited.
- **To references a paraphrase within the text:** the author(s)' last name(s) and the date are put in parentheses following the paraphrase. See the examples below.

For example:

SOURCE: From Campbell and Reece's *Essential Biology*:

Biology is the scientific study of life. It's a huge subject that gets bigger every year because of the great discovery explosion. We can think of biology's enormous scope as having two major dimensions. First, life is structured on a size scale ranging from the molecular to the global. The second dimension of biology's scope stretches across the enormous diversity of life on Earth, now and throughout life's history.

ACCEPTABLE PARAPHRASE:

The recent increase in discoveries has expanded the dimensions of biology as a life science. Biology focuses on the hierarchy of biological organization from the molecule to larger scales, as well as on the variety of life forms that have and continue to inhabit the Earth. (Campbell and Reece, 2001)

UNACCEPTABLE PARAPHRASE BECAUSE OF BORROWED WORDS AND/OR SENTENCE STRUCTURE:

Biology, the scientific study of life, is a growing subject due to an explosion of great discoveries. Biology can be thought of as having two dimensions. First, is the structure of life on a size scale from the molecular to the global. Second is the enormous diversity of life on Earth throughout its history as well as now. (Campbell and Reece, 2001)

### Literature cited

- All sources referenced in the text must be found in the literature cited and all sources listed in the literature cited must be found in the text.
- Sources in the literature cited should appear in alphabetical order by author's last name.
- Failure to properly quote or cite references, or to claim ideas that are not yours as your own, even unintentionally, constitutes plagiarism. This includes not using quotation marks and citations where appropriate and falsifying sources. Please refer to the section on Academic Conduct in the student handbook for more detailed information on plagiarism.
- ❖ For the literature cited, use the following format to list all internet sources referenced in the text.

**Author's last name, first name. (year the site was last updated). Title of page. Title of main page (if any). Date page is accessed. URL address.**

Examples:

Benoit, B. (1996). Introduction to human embryo cloning. *Human Cloning and Re-Engineering*. Accessed October 31, 2001 from the World Wide Web: <http://psu.edu/~qsg109/qs/em0002.html>

Biology Department, Rockville Campus. (2001). Courses. *Home page*. Accessed October 31, 2001 from the World Wide Web: <http://www.mc.cc.md.us/Depts/biorv/courses.htm>

Human Genome Management Information System. (2001). DOE Human genome program research in progress. *Human Genome Project Info*. Accessed October 31, 2001 from the World Wide Web: <http://www.ornl.gov/hgmis/research/research.html>

❖ For book sources:

**Author(s) last name, First initials. (copyright date). Title of book. City of publication: Publisher.**

Example: Campbell, N.A. and Reece, J.B. (2004). *Essential Biology*, 2<sup>nd</sup> ed. New York: Benjamin Cummings.