



Module 1 Assignment: Research and Report

MODULE 1 ASSIGNMENT: RESEARCH AND REPORT

OVERVIEW

After studying the anatomy and physiology of these three important systems, you should be able to address the challenge put forward by Jake. You should understand the result of having a lack of, or excess of, certain hormones; the clinical conditions patients may suffer when their white blood cells are increased or decreased; and what is likely to happen when the pumping of the heart is weakened.

You should spend approximately 3.5 hours on this assignment.

INSTRUCTIONS

1. Prepare a written paper of at least 500 words to Dr. Jake Smith that includes the following:
 - What do the nervous and endocrine systems have in common according to their functions? Are there some differences in their mechanisms of action? Explain. *Optional:* If you created a Venn diagram during your exploration, be sure to include it with your final report.
 - According to the functions of leukocytes, if a patient is coming with a bacterial disease, do you expect to find any alteration in the white blood cell count? What is the alteration? Which specific white blood cell should be altered? Explain.
 - Mention the four valves of the heart. What is the function of these valves? What happens when the valves do not close properly or allow the backflow of blood?
2. Your paper should be formatted as a proper research paper with an introduction and conclusion. Do not simply follow the bullet points above, but really think about what you have learned and how that relates to other material we have covered and knowledge you have from other courses you may have taken.
3. All references must be cited using APA Style format. Please refer to the [CCCOOnline APA Citation Toolkit](#).
4. Use what you have learned from this module to complete the assignment. In some

Use what you have learned from this module to complete the assignment. In some cases, you may need to conduct additional research. See the *Grading and Evaluation* section in the *Syllabus* module for links to research databases in the CCCOnline Library.

5. Submit your paper to the **Module 1 Assignment: Research and Report assignment folder**.

See the *Course Schedule* and *Course Rubrics* sections in the *Syllabus* module for due dates and grading information.



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