**Nervous System Concept Map Assignment**

The nervous system is a very complex, but logical organ system that is critical in the functioning of the human body. Therefore, it is critical to understand the terminology and components that make up the system in order to understand how the system functions. In this assignment, you will be creating your own concept map using the vocabulary and concepts already discussed in this unit. You will be using a concept map-creator software known as Lucidchart to complete this. Lucidchart is very similar to working with Google Docs in that all of your work is automatically saved and can be shared and edited by others. The following are directions you need to follow to set up a Lucidchart account:

1. Go to [https://www.lucidchart.com](https://www.lucidchart.com/pages/usecase/education)
2. Type in your *STUDENT EMAIL* and click the “Sign Up Free” button
3. Click on the “Start Free Account” button…this should lead you to a homepage
4. Click on My First Document.
5. Go through the Getting Started tutorial if you have not used Lucidchart in the past. This will give you tips on how to create your own concept map in a manner of your choosing.
6. Once you have gone through the tutorial, you should see a blank document with an orange tab at the top of the screen reading “Welcome to Lucidchart!” Click on the tab and fill in the following information to complete your registration. *WRITE YOUR PASSWORD DOWN!*
7. You should now be able to make edits on your document. Either delete the existing shapes or make a new document by clicking on “File” and then “New”.

With this assignment, you have the freedom to make your concept map in any way you choose. However, each concept map needs to include the same content. The following information need to be included in your concept map:

1. Functions of nervous system
2. Two main divisions of the nervous system
3. Two divisions within the PNS and their functions
4. Two subdivisions within the motor division and their functions
5. Two subdivisions within the autonomic division and their functions (include the neurotransmitters that are released in each division)
6. Neuroglial cells associated with both divisions of nervous system
7. Structure of neurons
8. Structural and functional classifications of neurons
9. Three distinctive characteristics of neurons
10. Structure of nerve

When you have completed your concept map, click on the share tab at the top of your document. Type in my email address ([william\_hemminger@abss.k12.nc.us](mailto:william_hemminger@abss.k12.nc.us)) and add me as a viewer to your document.

This assignment will be graded based on the completeness and accuracy of your concept map.