

Nerve and Brain Poster

Objectives:

1. Illustrate the parts of a nerve cell.
2. Describe the path an impulse takes through a nerve cell.
3. Illustrate the parts of the brain.
4. Describe the functions associated with each part of the brain.

Instructions:

1. Using your book and/or the internet as a resource, create a poster showing the structure of a nerve cell and the structure of the brain. You will have the materials listed below at your disposal for completion of the poster. Be creative!
2. Label the following parts of the nerve cell:
 - a. Dendrites
 - b. Cell body
 - c. Nucleus
 - d. Axon
 - e. Myelin
 - f. Axon endings
 - g. The path that an impulse takes through the nerve cell.**
3. Label the following parts of the brain:
 - a. Cerebrum
 - i. Frontal lobe
 - ii. Parietal lobe
 - iii. Temporal lobe
 - iv. Occipital lobe
 - b. Cerebellum
 - c. Brain stem
 - i. Midbrain
 - ii. Pons
 - iii. Medulla oblongata
4. Describe the functions associated with each of the brain structures listed above.
5. **Make sure the names of everyone in your group shows up on the posters!!!**

Materials:

You will have the following materials at your disposal for completion of your poster:

- Text book
- Classroom and teacher computers (internet)
- Poster paper
- Colored pencils
- Scissors
- Tape

Grading:

This will be graded as a lab. Attached is a rubric describing how the posters will be graded.

Nerve and Brain Poster Rubric

Teacher Name: **Mr. Russo**

Student Name: _____

CATEGORY	4	3	2	1
Illustrations	It is easy to make out all of the different structures of the nerve cell and brain.	It is easy to make out most of the different structures of the nerve cell and brain.	It is difficult to make out most of the different structures of the nerve cell and brain.	The illustrations are very sloppy and it is very difficult to make out most of the different structures of the nerve cell and brain.
Required Elements	The poster includes all required elements <u>as well as additional information</u> .	All required elements are included on the poster.	Some (1-2) required elements are missing.	Several required elements are missing.
Content - Accuracy	All of the facts listed are accurate.	Most of the facts listed are accurate (1-2 inaccuracies).	Many of the facts listed are not accurate (3-4 inaccuracies).	Most of the facts listed are not accurate (more than 5 inaccuracies).
Layout	The illustrations and content are very well organized making the poster easy to read and required content easy to find.	The illustrations and content are fairly well organized making the poster easy to read.	The illustrations and content are not very well organized making parts of the poster difficult to read and required content hard to find.	The illustrations are not organized and the whole poster is difficult to read and required content hard to find.
Use of Class Time	Used time well during each class period. Focused on getting the project done. Never distracted others.	Used time well during each class period. Usually focused on getting the project done and never distracted others.	Used some of the time well during each class period. There was some focus on getting the project done but occasionally distracted others.	Did not use class time to focus on the project OR often distracted others.