

The Central Nervous System Handout

As you work your way through the central nervous system presentation, answer the following questions to help you collect the relevant information.

- 1. What are the two components of the central nervous system (CNS)?**

- 2. What is the function of the meninges? What are the three layers it is comprised of?**

- 3. What function does the cerebral spinal fluid (CSF) have?**

- 4. What are the grey and white matter of the spinal cord made of?**

- 5. List and describe the steps involved in signal transmission between the PNS and CNS.**

6. During embryonic stages, what are the three segments of the brain called?
7. What does the cerebrum develop from? Describe the properties and functions of the cerebrum.
8. What two parts of the brain does the hindbrain develop into? Describe the functions of each.
9. What are the 3 components of the brainstem?
10. What is the function of the blood-brain barrier? What are some things that are able to pass through the BBB?
11. Which part of the brain most likely evolved first: the brain stem or the cerebellum? Explain your reasoning.