**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.**