

A&PI Nervous System Study Guide Part 2

1. Where do the cranial nerves originate?
2. How many pairs of cranial nerves are present in a human?
3. What are the names of each cranial nerve and what region of the body is controlled by that nerve?
4. What type of signal is carried on a cranial nerve?
5. Where does the spinal cord begin?
6. At which vertebral level, where does the spinal cord end?
7. What are the two functions of the spinal cord?
8. What is the end of the spinal cord named?
9. What are the nerves that extend from the end of the spinal cord collectively called?
10. What anchors the spinal cord to the coccyx?
11. Where is a lumbar puncture performed?
12. What meningeal space is the needle inserted into?
13. What are the two purposes of a lumbar puncture?
14. How can you tell the difference between the front and back of the spinal cord?
15. Where is gray matter located in the spinal cord?
16. What part of the neuron is found in gray matter?
17. Where does CSF flow through the spinal cord?
18. What classification of neuron would be found in the dorsal horn?
19. What classification of neuron would be found in the ventral horn?
20. What part of the neuron is found in white matter?
21. What type of signal is carried on an ascending tract?
22. What type of signal is carried on a descending tract?
23. What is the purpose of the cervical enlargement?
24. What is the purpose of the lumbar enlargement?
25. What is carried through the dorsal root of the spinal nerve?
26. What is carried through the ventral root of the spinal nerve?
27. Thought question: If a patient has sustained an injury that causes their intervertebral disk to bulge and it pressures only the dorsal root of the spinal nerve, what symptoms might they have?
28. Where do spinal nerves originate from?
29. What type of signal is carried on a spinal nerve?
30. How many spinal nerves come from each region of the vertebral column?
31. What is a dermatome?
32. What is a plexus?

33. What is controlled by the cervical plexus?
34. What is controlled by the brachial plexus?
35. What is controlled by the lumbar plexus?
36. What is controlled by the sacral plexus?
37. What does the phrenic nerve innervate?
38. What happens if the phrenic nerve is severed?
39. Through which muscle does the sciatic nerve run?
40. What is the function of the sciatic nerve?