

## Recap Nervous System CNS-PNS

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1. A fast way to communicate and coordinate is through \_\_\_\_\_ system.
2. A slow way to communicate and coordinate is through \_\_\_\_\_ system.
3. Brain and spinal cord form \_\_\_\_\_ NS.
4. PNS has \_\_\_\_\_ pairs of cranial nerves and \_\_\_\_\_ pairs of spinal nerves.
5. Efferent Division of PNS is formed of \_\_\_\_\_ and \_\_\_\_\_ NS.
6. Autonomic NS has \_\_\_\_\_ and \_\_\_\_\_ divisions.
7. Autonomic NS is \_\_\_\_\_ in function.
8. Receptor to CNS is \_\_\_\_\_ neuron; CNS to effectors is \_\_\_\_\_ neuron; and \_\_\_\_\_ neuron passes the information from former to latter.
9. \_\_\_\_\_ and \_\_\_\_\_ are parts of fore-brain.
10. Mid brain has 2 pairs of \_\_\_\_\_ and \_\_\_\_\_ peduncles (thick tracts) in it.
11. \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ form brain stem.
12. 2 functional systems present in brain are \_\_\_\_\_ and \_\_\_\_\_ and are formed of different parts of brain.
13. Lateral ventricles lie in \_\_\_\_\_, 3<sup>rd</sup> ventricle is in \_\_\_\_\_, and \_\_\_\_\_ has 4<sup>th</sup> ventricle in it.
14. Cerebrospinal fluid is secreted by \_\_\_\_\_ present in roof of all 4 ventricles.
15. Cerebrospinal Fluid in ventricles and central canal → sub-arachnoid space → \_\_\_\_\_ return it to → venous sinus present in Dura mater.
16. Each cerebral hemisphere has at its surface \_\_\_\_\_ formed of gray matter; \_\_\_\_\_ below it; deep well marked \_\_\_\_\_ of gray matter.
17. \_\_\_\_\_ lies anterior to central sulcus and \_\_\_\_\_ lies posterior to it.
18. Thick lateral wall of diencephalon is \_\_\_\_\_ and its thin floor is \_\_\_\_\_.
19. \_\_\_\_\_ and \_\_\_\_\_ body are associated with epithalamus.
20. Primary areas for vision, olfaction, gestation, and hearing and association areas lie in \_\_\_\_\_.
21. \_\_\_\_\_ is the seat of sensory input, motor output, calculations, intelligence and memory.
22. \_\_\_\_\_ regulates temperature, eating and drinking behavior, reproduction and ANS.
23. \_\_\_\_\_ is the relay switch to cerebral cortex; all sensory inputs except olfaction pass through it.
24. \_\_\_\_\_ controls body balance and posture correction.
25. Cardiac center and respiratory centers are present in \_\_\_\_\_.
26. Dorsal root is \_\_\_\_\_ and ventral root is \_\_\_\_\_ in spinal nerves.
27. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ are sensory cranial nerves.
28. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ cranial nerves supply to different eye ball muscles.
29. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ are mixed cranial nerves.
30. Spinal nerves has \_\_\_\_\_ pairs of cervical, \_\_\_\_\_ pairs of \_\_\_\_\_ thoracic, \_\_\_\_\_ pairs of lumbar and \_\_\_\_\_ pairs of caudal nerves.
31. All spinal nerves except \_\_\_\_\_ to \_\_\_\_\_, branch and form networks called Plexi. Brachial plexus and Lumbar plexus supply spinal nerves to arms and legs.
32. \_\_\_\_\_ is the area of skin supplied by each pair of spinal nerves.
33. \_\_\_\_\_ division is formed of 2 cords of ganglia and communicate with CNS through \_\_\_\_\_ region.
34. \_\_\_\_\_ division is formed of isolated ganglia and communicate with CNS through \_\_\_\_\_ region.
35. \_\_\_\_\_ division increases rate of heart and breathing rate.
36. \_\_\_\_\_ division increases the secretion of digestive juices.
37. \_\_\_\_\_ division is rest and digest; \_\_\_\_\_ is responsible for fight or flight response.