

# Nervous System Study Guide – Chapter 35

1. List the 11 organ systems and tell what they do.
2. What is “homeostasis”?
3. Name and tell the function of four types of tissue.
4. How do organisms maintain homeostasis?
5. Explain how the hypothalamus regulates body temperature.
6. Draw and label a typical neuron.
7. List and tell the functions of three different types of neurons.
8. Name the structures that carry impulses to and from the cell body.
9. How does the myelin sheath increase the speed of conduction of a nerve impulse?
10. Explain the mechanism of the “resting potential”.
11. Describe the path and action of a moving impulse.
12. What is the “threshold” and how does it work?
13. Draw a synapse and label all the parts.
14. What are neurotransmitters?
15. Draw the Brain. Label the different areas of the brain. Tell what each area does.
16. What do the somatic and autonomic nervous systems do? What are the differences between them?
17. Name five different types of sensory receptors and what they sense.
18. Draw and label the parts of the eye.
19. Tell what the following parts of the eye do: pupil, lens, rods, cones, retina.
20. Sketch an ordinary ear and label all the parts.
21. Tell what the following parts of the ear do: tympanum, hammer, anvil and stirrup, cochlea, semicircular canals.
22. How are your sense of taste and smell related to each other?
23. Where is the greatest sensitivity to touch found?
24. What is the definition of a drug?
25. Name 5 stimulants. How do stimulants work?
26. How do depressants work?
27. How does cocaine affect the body?
28. How do opiates affect the body? Name one opiate.
29. What is the most abused illegal drug? What are the effects of it on the human body?
30. What is the most abused and dangerous legal depressant? What are the effects of it on the human body?