Invitation to Psychology Chapter four study guide

Name_

Vocabulary is essential in mastering the content in Psychology. Write a definition for the following terms and when appropriate provide an example for the term. Note: the study guide contains approximately 80% of the content that you will need to prepare for the exam.

Terms

- 1. Central Nervous System-
- 2. Spinal Cord-
- 3. Peripheral Nervous System-
- 4. Somatic Nervous System-
- 5. Autonomic Nervous System-
- 6. Sympathetic Nervous System-
- 7. Parasympathetic Nervous System-
- 8. Neuron-
- 9. Glial cell-

10. Axon terminal-

11. Myelin sheath-

12. Synapse-

13. Plasticity-

14. Action Potential-

15. Neurotransmitter-

16. Receptor sites-

17. Hormones-

18. Melatonin-

19. Brain stem-

20. Medulla-

21. Pons-

22. Hypothalamus-

23. Amygdala-

24. Hippocampus-

25. Cerebrum-

26. Corpus Callosum-

27. Cerebral Cortex-

28. Occipital lobe-

29. Visual Cortex-

30. Parietal lobe-

31. Somatosensory Cortex-

32. Temporal lobes-

- 33. Auditory Cortex-
- 34. Wernicke's area-
- 35. Frontal lobe-
- 36. Motor Cortex-
- 37. Broca's area-
- 38. Split-brain surgery-
- 39. Left-hemisphere functions-
- 40. Right-hemisphere functions-

- 41. Rapid eye movement-
- 42. Activation-Synthesis Theory-

Multiple choice

- 41. Cameron touches a hot iron and immediately pulls his hand away. His quick response occurs because:
 - a. Spinal reflexes are automatic, requiring no conscious effort.
 - b. The brain has registered that pain is occurring and responds quickly.
 - c. His glands have secreted chemical messengers called hormones.
 - d. Neurons in the spinal cord touch end to increase response speed.
- 42. The ______ looks like the branches of a tree, indeed, the meaning of this word in Greek is "little tree".
 - a. Axon
 - b. Myelin sheath
 - c. Dendrite
 - d. Glial cell
- 43. Hilda's husband is told that his wife is suffering from Alzheimer's disease and that she has lost brain cells that are responsible for producing:
 - a. Acetylcholine
 - b. Dopamine
 - c. Norepinephrine
 - d. GABA
- 44. The part of the brain at the top of the spinal cord is called the:
 - a. Pleasure center
 - b. Brain stem
 - c. Master gland
 - d. Thalamus
- 45. "Fight or flight" behavior is associated with
 - a. The parasympathetic division
 - b. Central nervous system
 - c. The sympathetic division
 - d. The somatic nervous system