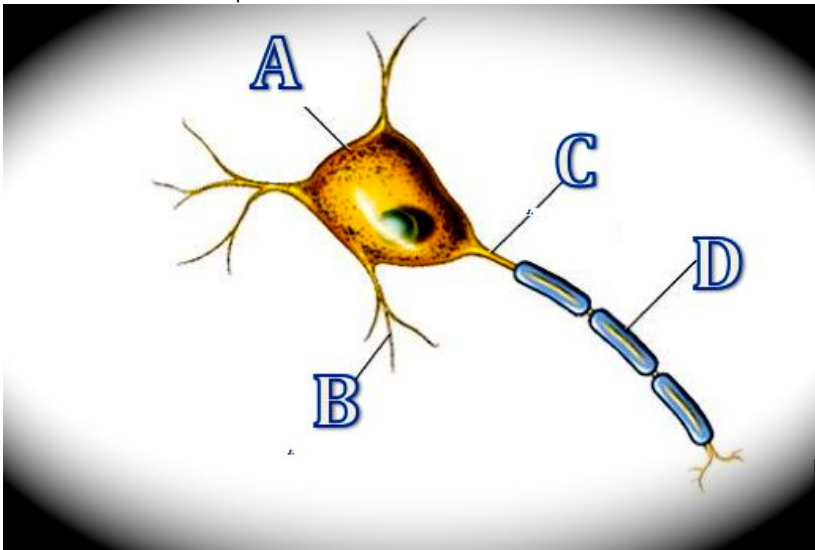


AP PSYCHOLOGY HOMEWORK 9  
PAGES 76-85

Double check your work before turning it in electronically.  
Make a printout before turning it in and place it in your 3-ring binder.

- \_\_\_\_\_ 1. The fluid OUTSIDE resting axons has mostly \_\_\_\_\_ charged ions. (1 pt)
- A. negatively
- B. positively
2. The junction between two neurons is called a \_\_\_\_\_, (1 pt)

Match the letter with the part of the neuron...



(0.5 pt each)

- \_\_\_\_\_ 3. D                                    A. dendrite
- \_\_\_\_\_ 4. C                                    B. myelin sheath
- \_\_\_\_\_ 5. B                                    C. axon
- \_\_\_\_\_ 6. A                                    D. cell body

7. Excess neurotransmitters are re-absorbed by the sending neuron in a process called \_\_\_\_\_. (1 pt)

8. **MULTIPLE ANSWER:** Biological psychologists study behavior and mental processes from multiple levels, noting how \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ systems work and interact. (0.5 pt each)

- \_\_\_\_\_ Y/N psychological
- \_\_\_\_\_ Y/N evolutionary
- \_\_\_\_\_ Y/N social-cultural
- \_\_\_\_\_ Y/N biological

9. A neurotransmitter that is important in muscle contraction is... (1 pt)

10. Drugs that block the effects of neurotransmitters by occupying their receptor sites are called \_\_\_\_\_. (1 pt)

11. When the brain is flooding with drugs such as \_\_\_\_\_ or \_\_\_\_\_, it may stop producing endorphins. (1 pt)

12. \_\_\_\_\_ is a neurotransmitter which affects mood, hunger, sleep and arousal. (1 pt)

13. Among the neurotransmitters that researchers have pinpointed are \_\_\_\_\_, which influences movement, learning, attention, and emotion. (1 pt)
14. The molecular shape of some drugs prevents them from passing through the \_\_\_\_\_, by which the brain fences out unwanted chemicals. (1 pt)
15. Naturally occurring opiate-like neurotransmitters that are present in the brain are called \_\_\_\_\_. (1 pt)
16. We are each a \_\_\_\_\_ system, comprised of subsystems that are parts of larger systems, which are parts of an even larger system. (1 pt)
17. The extension of a neuron that transmits information to other neurons is the: (2 pts)
18. During the resting pause following an action potential, called the \_\_\_\_\_ the neuron pumps positively charged ions outside the cell. (1 pt)
19. Axons are insulated by a layer of fatty cells known as \_\_\_\_\_, which helps speed the neuron's impulses. (1 pt)
20. Drugs that produce their effects by mimicking neurotransmitters are called \_\_\_\_\_. (1 pt)
21. The neural impulse, or \_\_\_\_\_, is a brief electrical charge that travels down an axon. (1 pt)
22. The strength of a stimulus \_\_\_\_\_ affect the speed of a neural impulse. (1 pt)
- A. does  
B. does not
23. In order to trigger a neural impulse, excitatory signals minus inhibitory signals must exceed a certain intensity, called a \_\_\_\_\_. Increasing a stimulus above this level will not increase the neural impulse's intensity. This phenomenon is called an \_\_\_\_\_ response. (2 pts)
24. \_\_\_\_\_ is a neurotransmitter which is involved with memory. (1 pt)
25. In the most basic sense, every idea, mood, memory and behavior that an individual has ever experienced is a \_\_\_\_\_ phenomenon. (1 pt)
26. \_\_\_\_\_ is a neurotransmitter which helps control alertness and arousal. (1 pt)
27. Researchers who study the links between biology and behavior are called \_\_\_\_\_ psychologists. (1 pt)
28. An action potential occurs when the first part of the axon opens its gates and \_\_\_\_\_ charged ions rush in, causing that part of the neuron to become depolarized. (1 pt)
- A. positively  
B. negatively
29. Our body is built from billions of nerve cells, known as \_\_\_\_\_. (1 pt)

30. \_\_\_\_\_ is a neurotransmitter whose undersupply is linked to seizures, tremors and insomnia. (1 pt)

31. The chemical messengers that convey information across the gaps between neurons are called \_\_\_\_\_. (1 pt)

\_\_\_\_\_ 32. The fluid interior of a resting axon carries mostly \_\_\_\_\_ charged ions. (1 pt)

A. negatively

B. positively

33. The theory that linked our mental abilities to bumps on the skull was \_\_\_\_\_. (1 pt)

34. The extensions of neurons that receive messages from other neurons are the \_\_\_\_\_. (1 pt)