

Nervous System: Anatomy Review—The Action Potential

1. The three characteristic structural features of a neuron are the _____, _____, and _____.
2. The main nutritional and metabolic center of the neuron is the _____.
3. a. The portion of a neuron that conducts the nerve impulse to the next cell is the _____.
- b. The portion of a neuron that receives signals from other cells is called the _____.
4. Information in a neuron flows from the _____ to the cell body to the _____.
5. The junctions between neurons are known as _____.
6. a. The axon arises from the cell body at a region called the _____.
- b. Branches that arise from the axon are called _____.
- c. The end of an axon can branch into thousands of _____.
7. The cells that tightly wrap the axon and produce the myelin sheaths are known as _____.
8. Myelin sheaths cover the _____ of a neuron.
9. Gaps between Schwann cells are known as _____.