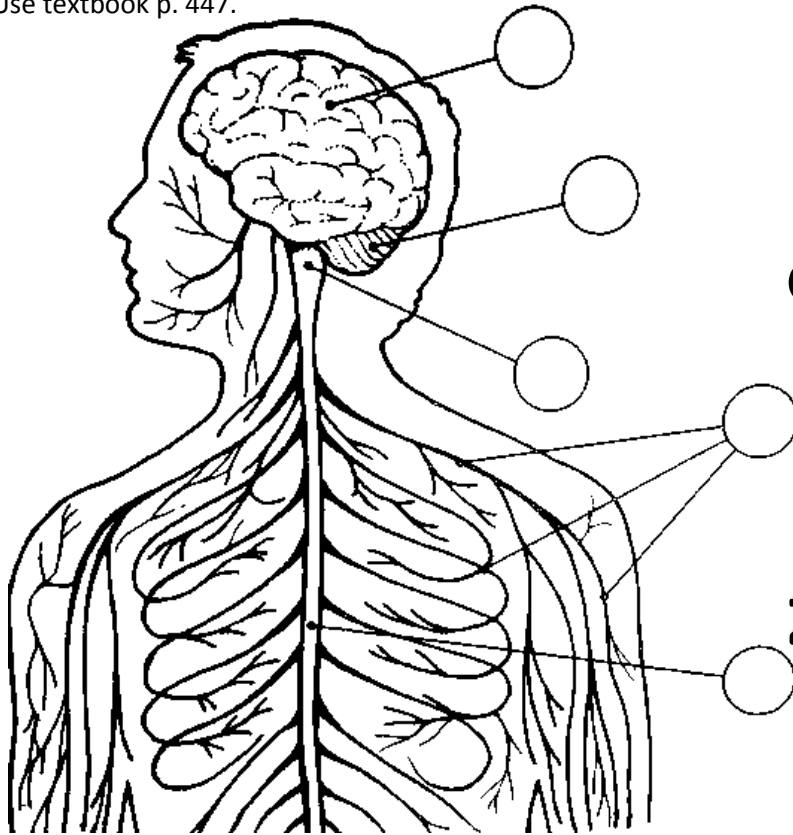


Write the term that matches each description. Then fill in the circle with the letter that correctly matches each location. Use textbook p. 447.

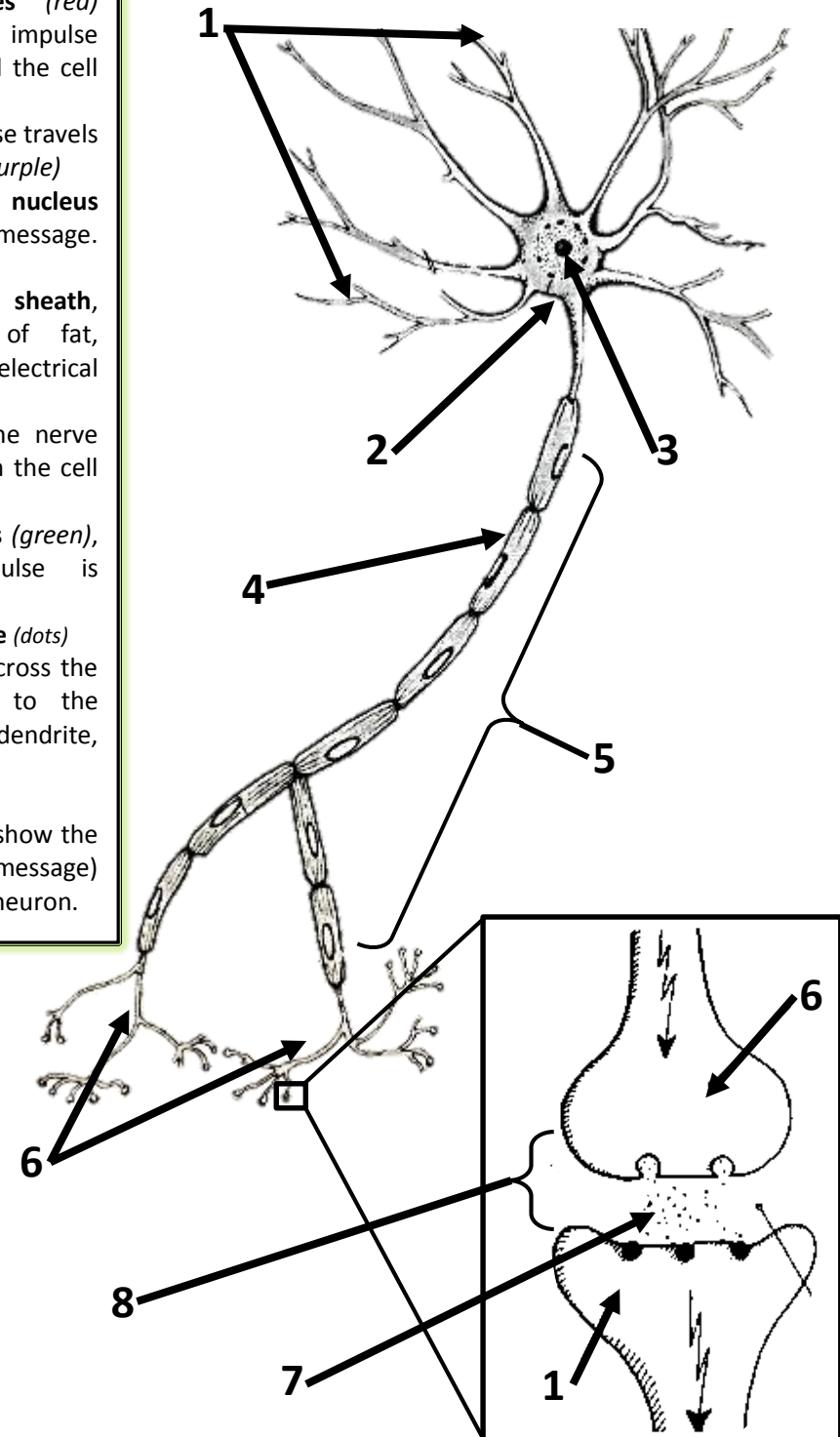


Nervous System

Word Bank: brain stem, cerebellum, cerebrum, nerves, spinal cord

1. The **dendrites** (*red*) receive the nerve impulse and take it toward the cell body.
2. The nerve impulse travels to the **cell body**, (*purple*)
3. Where the **nucleus** interprets the message. (*leave black*)
4. The **myelin sheath**, (*orange*) made of fat, insulates the electrical message, as the
5. **Axon** carries the nerve impulse away from the cell body.
6. At the **axon tips** (*green*), the nerve impulse is converted to a
7. **chemical message** (*dots*)
8. Which travels across the **synapse** (*yellow*) to the next structure (dendrite, muscle, or gland).

Draw an arrow to show the nerve impulse (message) going through the neuron.



- _____ The 2nd largest part of the brain, it controls balance and coordination of the muscles.
- _____ Connecting the cerebellum and spinal cord, it controls breathing, heartbeat, and other involuntary processes within the body.
- _____ The largest part of the brain, it controls thought, movements you choose to make, memory, and learning. It also processes information from the senses.
- _____ Branching out from the spinal cord, they carry impulses between the spinal cord and all other parts of the body.
- _____ Protected by the vertebrae, it relays impulses between the brain and other parts of the body.