In your textbook, read about neurons.

Use each of the terms below only once to complete the passage.

- action potential
- axon
- chemicals
- electrical charge
- electricity
- impulses
- interneurons
- motor neurons
- sensory neurons
- three

There are three major parts to a neuron. These parts are the cell body, dendrites, and (1) ________________ . There are (2) ____________________ basic types of neurons. These types include (3) ____________________ , (4) ____________________ , and (5) ____________________. A nerve impulse is a(n) (6) ____________________ and is called a(n) (7) ____________________. Neurons use (8) ____________________ and (9) ____________________ to send (10) ____________________.

In your textbook, read about neurons.

Refer to the illustration below. Match the parts of the illustration with the terms or phrases below. Write the letter of the correct part. Letters may be used more than once.

- 11. nucleus
- 12. axon
- 13. dendrite
- 14. part that receives messages
- 15. part that sends messages
- 16. neuron

In your textbook, read about speed of an action potential and the synapse.

For each statement below, write true or false.

- 17. Gaps in the myelin sheath of an axon are called nodes.
- 18. All neurons have myelin.
- 19. A synapse is the distance between the dendrites of two neurons.
- 20. Neurotransmitters help to create new action potential.
In your textbook, read about the central nervous system. Refer to the illustration of the brain and spinal cord. Write the correct letter to identify the structure being described. Letters may be used more than once.

1. sends and receives messages from all parts of the body
2. protected by the vertebrae
3. protected by the skull
4. carries messages from skin to spinal cord
5. spinal cord
6. body nerves
7. cerebrum is its largest part
8. described as a nerve column
9. 31 pairs of nerves extend from it
10. more than 100 billion neurons are found here

Complete the graphic organizer about the central nervous system. These terms may be used more than once: autonomic nervous system, central nervous system, peripheral nervous system, sympathetic nervous system.
In your textbook, read about the senses.

Match the description in Column A with the term in Column B.

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. respond to temperature, pressure, and pain</td>
<td>A. taste buds</td>
</tr>
<tr>
<td>2. specialized chemical receptors on the tongue</td>
<td>B. sensory receptors</td>
</tr>
<tr>
<td>3. transmit information about body position</td>
<td>C. rods</td>
</tr>
<tr>
<td>4. light-sensitive cells</td>
<td>D. cochlea</td>
</tr>
<tr>
<td>5. filled with fluid and lined with hair cells</td>
<td>E. semicircular canals</td>
</tr>
</tbody>
</table>

In your textbook, read about sight.

Complete the table by filling in the missing information. Use these choices:

- cones
- cornea
- lens
- retina
- rods

<table>
<thead>
<tr>
<th>Function</th>
<th>Structure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projects image onto the retina</td>
<td>6.</td>
</tr>
<tr>
<td>Contains receptor cells called rods and cones</td>
<td>7.</td>
</tr>
<tr>
<td>Is the structure through which light first enters the eye</td>
<td>8.</td>
</tr>
<tr>
<td>Excited by low levels of light</td>
<td>9.</td>
</tr>
<tr>
<td>Provide information about color to the brain</td>
<td>10.</td>
</tr>
</tbody>
</table>

In your textbook read about hearing and balance.

Use each of the terms below only once to complete the passage.

- auditory canal
- balance
- cochlea
- hearing
- middle ear
- nerve impulses
- tympanum

Two major functions of the ear are (11) ____________________________ and (12) ____________________________ . Sound waves enter the (13) ____________________________ and cause the (14) ____________________________ to vibrate. The vibrations travel through the bones of the (15) ____________________________ and cause fluid in the (16) ____________________________ to vibrate. Hair cells then generate (17) ____________________________ that are transmitted to the brain.
In your textbook, read about classes of commonly abused drugs.

Complete the table by filling in the missing information.

<table>
<thead>
<tr>
<th>Drug</th>
<th>Common Examples of Drug and Description of Drug’s Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nicotine</td>
<td></td>
</tr>
<tr>
<td>Caffeine</td>
<td></td>
</tr>
<tr>
<td>Alcohol</td>
<td></td>
</tr>
<tr>
<td>Inhalants</td>
<td></td>
</tr>
</tbody>
</table>