Name	Class	Date
Section 35–3 Divisions	of the Nervous System	
This section describes the major divis their functions.	ions of the nervous system and explair	15
Introduction (page 901)		
	ntral nervous system?	
The Central Nervous Syste	m (page 901)	
2. The central nervous system co	consists of the and the	
0 1	d spinal cordbathed and protected by	
Match the part of the brain with its f	unction.	
Part of Brain	Function	
5. Cerebrum6. Cerebellum	a. Coordinates and balances the actions of the musclesb. Regulates the flow of information between the brain and the rest of the body	
7. Brain stem 8. Thalamus	c. Controls voluntary activities of the body	
9. Hypothalamus	 d. Controls hunger, thirst, fatigue, anger, and body temperature 	
	e. Receives and relays messages	from the sense organs
10. The two hemispheres of the b	rain are connected by a band of tiss	sue called the
11. Identify the four lobes of the l	orain.	
a		
b		
12. Is the following sentence true the body's left side	or false? The left hemisphere of the	e cerebrum controls
•	or false? The outer layer of the cere	ebrum is called
the cerebral cortex		
14. What is gray matter, and whe	re is it found?	

15. The two regions of the brain stem are the ______ and the

The Spinal Cord (page 903)

- **16.** What is the advantage of a reflex? _____

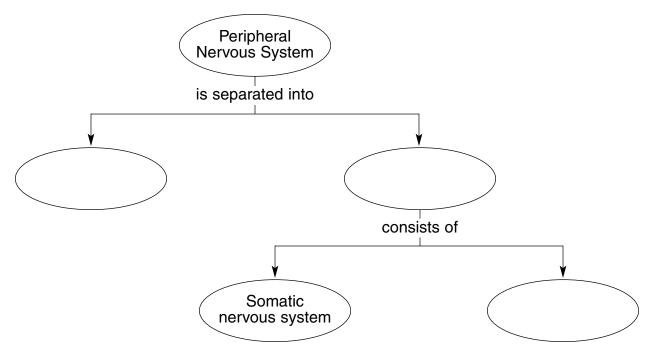
The Peripheral Nervous System (pages 903–904)

- 17. Circle the letter of each choice that is part of the peripheral nervous system.
 - **a.** cranial nerves

c. ganglia

b. spinal nerves

- **d.** spinal cord
- **18.** Complete the concept map.



- **19.** Circle the letter of each activity that is controlled by the somatic nervous system.
 - **a.** Beating of the heart
- **c.** Wiggling the toes

b. Lifting a finger

- **d.** Pulling foot away from tack
- 20. What does the autonomic nervous system regulate?
- 21. Why is it important to have two systems that control the same organs?

Pearson Education, Inc. All rights reserved.