

Chapter 15.2 Scavenger Hunt. (7th)

Date _____

Last Name _____, First _____ per _____

Pre- read chapter 15.2, starting on page 606 and find the answers to the scavenger hunt clues.

1. What is the **title** of chapter 15.2? _____
2. List the 11 **key terms** in section 15.2 page 606

a. _____	g. _____
b. _____	h. _____
c. _____	i. _____
d. _____	j. _____
e. _____	k. _____
f. _____	
3. **California Standards Focus -3 Green Keys**
 - a. Complete the three standards focus questions.
 - i. What are the structure and _____ of the _____ nervous system?
 - ii. What are the _____ and function of the _____ nervous system?
 - iii. What is a _____?
 - iv. What are two ways in which the _____ can be injured?
4. **Lab Zone Standards Warm up on page 606**
 - a. Try the warm-up and then give an example of an instance where it would be an advantage for your body to react without conscious control.

5. **Define the highlighted key words on page 606-607**
 - a. central nervous system _____
 - b. peripheral nervous system _____
 - c. brain _____
 - d. spinal cord _____
6. **Green Key page 607**
 - a. What is the function of the central nervous system? _____

7. **Figure "The Nervous System"**
 - a. What structures make up the central nervous system? _____
 - b. What structures are included in the peripheral nervous system? _____

8. Lab Zone Skills Activity page 608

a. Are people better able to memorize a list of words in a quiet room or in a room where soft music is playing? Write a hypothesis. _____

b. How would you test your hypothesis? _____

9. Define the Highlighted words on pages 608

a. cerebrum _____

b. cerebellum _____

c. brain stem _____

10. A Green Key page 567

a. What are the 3 main regions of the brain that receive and process information?

11. Figure 6 “The Brain”

a. What are 4 functions of the cerebrum

b. What are 2 functions of the cerebellum?

c. Give an example of 2 involuntary actions that the brain stem controls.

d. What kind of thinking is the left half of the brain associated with? _____

e. What kind of thinking is the right half of the brain associated with? _____

12. Two Green Keys page 610

a. What structure links the central nervous system to the peripheral nervous system?

b. In the peripheral nervous system, what structures branch out and connect to the rest of the body? _____

c. Is the peripheral nervous system involved in both involuntary and voluntary actions? ____

13. Figure 7 “The Spinal Nerves”

a. Where are spinal nerves located and what are they connected to? _____

b. In the diagram, what color are the spinal nerves? _____

c. What two types of neurons do spinal nerves consist of? _____, _____

14. **Highlighted words on page 611** (*define*)

- a. somatic nervous system _____

- b. autonomic nervous system _____

- c. reflex _____

15. **Green Key on page 611**

- a. What do you call a body response that is automatic, rapid, without conscious control, and helps protect the body? _____

16. **Figure 8 “Somatic and Autonomic Nervous Systems”**

- a. Which nervous system controls voluntary actions? _____
- b. Which nervous system controls involuntary actions _____
- c. Classify the following actions as either somatic or autonomic
- Hands shape the clay _____
- Foot turns the wheel _____
- Mouth smiles _____
- Heart beat is regulated _____
- Breathing rate is kept steady _____
- Body temperature remains constant _____

17. **Lab Zone Try This Activity “You Blinked” page 611**

- a. What materials will you need for this activity? _____
- b. complete the data table.

When a cotton ball is tossed toward you, will you blink?		
Name	# of times you blinked	# of times you didn't blink

- c. Why is blinking considered a reflex? _____
- d. What structure protects your eye when you blink? _____

18. **Figure 9 “A Reflex Action”** *analyze the diagram*

- a. If you touch a sharp object, which comes first? the pain or the reflex to jerk your arm away? _____

19. Define the **highlighted word on page 613**

- a. concussion _____

20. **Green Key page 613**

- a. What are two ways in which the central nervous system can be damaged?

21. **Figure 10 “Protecting the Nervous System”**

- a. How can you protect your spinal cord when you are in a car? _____

Now go back and read the chapter carefully. See if you can answer the questions in the section 15.2 assessment.