

**Chapter 15.1 Scavenger Hunt (7<sup>th</sup>)**

Date \_\_\_\_\_

Last Name \_\_\_\_\_, First \_\_\_\_\_ per \_\_\_\_\_

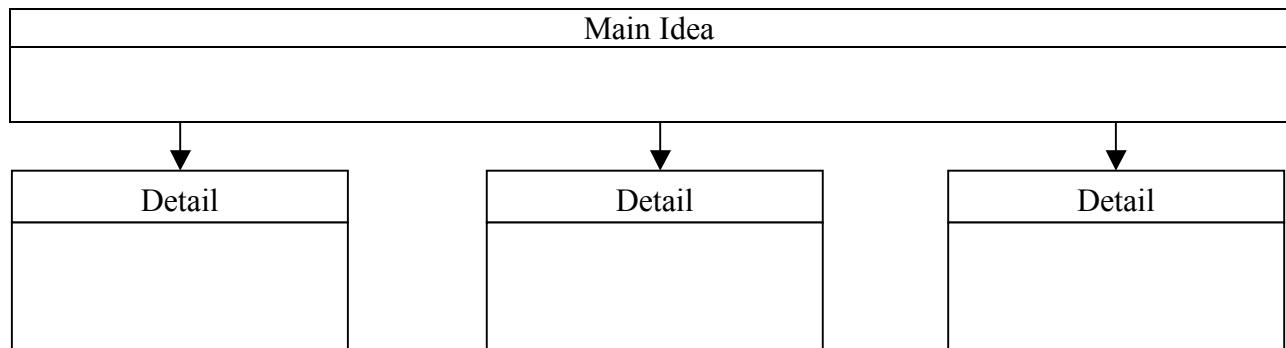
*Pre-read chapter 15.1 starting on page 594 and find the answers to the scavenger hunt clues.*

1. What is the **title** of chapter 15? \_\_\_\_\_
2. What is the “**Big Idea**” of chapter 15? \_\_\_\_\_  
\_\_\_\_\_
3. **Check what you know.**
  - a. Which body system enables you to smell popcorn and think its snack time?  
\_\_\_\_\_
4. Make a list of what do you think the wind surfer on pages 594 and 595 is experiencing.  
\_\_\_\_\_
5. **Build Your Science Vocabulary”**
  - a. What is the vocabulary skill being discussed in the “section on page 596”?  
\_\_\_\_\_
  - b. Complete the table.

Suffix	Meaning of suffix	Example and meaning of example
<b>-ant</b>	A person or thing that	_____, Something that pollutes or makes dirty
<b>-ism</b>	Action or practice of	_____, Action of judging the value of something
<b>-ness</b>	Condition of : state of	_____, Condition of being sick
<b>-ous</b>	Having: full of	_____, Full of disaster

- c. What is the suffix in the word nearsightedness? \_\_\_\_\_
  - d. The word stimulate means "to increase activity". Predict what the meaning of the word stimulant. \_\_\_\_\_
6. How many **key terms** are in chapter 15.1 ? \_\_\_\_\_
7. A picture on page 597 shows a magnification of something on a tongue. What is it?  
\_\_\_\_\_

8. **“How to Read Science”** page 550
- What is the reading skill being discussed? \_\_\_\_\_
  - Read the paragraph about depressants. What is the main idea? What are 3 details?  
Complete the graphic organizer.



9. **Standards Investigation**

- If you tried the investigation on page 599, what would be your goal?  
\_\_\_\_\_
10. What is the **title of section 15.1** \_\_\_\_\_
11. List the 11 **key terms** in section 15.1 pg 600
- |          |          |
|----------|----------|
| a. _____ | g. _____ |
| b. _____ | h. _____ |
| c. _____ | i. _____ |
| d. _____ | j. _____ |
| e. _____ | k. _____ |
| f. _____ |          |
12. Try the **standards warm up** on page 600, Trace a penny 12 times in the space below. Number the circles randomly from 1 -12 in no particular order. Now have your partner place the penny in each circle one after the other in numerical order while you use a stop watch to measure their time. Have them repeat the test 2 more times. Record each of their times in the table below. You try it on their circles and record your time also.

Reaction Time for Penny Placement in Circles			
Name	Trial 1	Trial 2	Trial 3

- a. Did your times improve? \_\_\_\_\_
- b. Make a list of the sense organs, muscle movements, and thought processes you used to accomplish this task.

c. What role did your brain play in this activity? \_\_\_\_\_

\_\_\_\_\_

**13. Function of the Nervous System -A Green Key on page 600**

According to the green key what is the function of the nervous system? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**14. Define the Highlighted words on pages 601**

a. Stimulus \_\_\_\_\_

\_\_\_\_\_

b. Response \_\_\_\_\_

\_\_\_\_\_

**15. Figure 1 “The Nervous System at Work”**

a. What is the stimulus that causes the goalie's response to catch the ball?

\_\_\_\_\_

b. How does the goalie's nervous system help her body maintain homeostasis?

\_\_\_\_\_

\_\_\_\_\_

**16. Define the Highlighted words on pages 602**

a. neurons \_\_\_\_\_

\_\_\_\_\_

b. nerve impulse \_\_\_\_\_

\_\_\_\_\_

c. sensory neuron \_\_\_\_\_

\_\_\_\_\_

d. interneuron \_\_\_\_\_

\_\_\_\_\_

e. motor neuron \_\_\_\_\_

\_\_\_\_\_

**17. Figure 2 “Structure of a Neuron”**

- a. List the 5 parts of a neuron?
- i. \_\_\_\_\_
  - ii. \_\_\_\_\_
  - iii. \_\_\_\_\_
  - iv. \_\_\_\_\_
  - v. \_\_\_\_\_

**18. A Green Key on page 602**

- a. According to the green key what are the 3 kinds of neurons found in the body?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**19. Figure 3 “Path of Nerve Impulse”**

- a. Which kind of neuron picks up the sound of a cell phone ringing? \_\_\_\_\_
- b. Which kind of neuron interprets and identifies the sound as a cell phone? \_\_\_\_\_
- c. Which kind of neuron sends the impulse to the muscles directing them to pick up the phone? \_\_\_\_\_

**20. Define the Highlighted word on pages 604**

- a. synapse \_\_\_\_\_
- \_\_\_\_\_

**21. Green Keys” page 604**

- a. For a nerve impulse to be carried along at a synapse, what must happen?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_