

**Chapter 13.1 Scavenger Hunt (7<sup>th</sup>)**

Date \_\_\_\_\_

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

*Pre- read chapter 13.1 starting on page 501 and find the answers to the scavenger hunt clues.*

1. What is the **title** of chapter 13? \_\_\_\_\_
2. What is the “**Big Idea**” of chapter 13? \_\_\_\_\_  
\_\_\_\_\_
3. **Check what you know.**
  - a. How will the forces on the see saw change if the cat wakes up and walks away?  
\_\_\_\_\_
  - b. How will the forces change if the cat wakes up and runs toward the mouse?  
\_\_\_\_\_
4. How is the skier on page 502 and 503 able to overcome his disability and enjoy the sport of skiing? \_\_\_\_\_
5. **Build Your Science Vocabulary”**
  - a. What is the vocabulary skill being discussed in the “section on page 504?”  
\_\_\_\_\_
  - b. Complete the table.

Latin Word	Meaning of the Latin Word	Key Term
<i>In-</i>		_____ Type of muscle that is not under a person’s conscious control.
		_____ Connective tissue that holds bones together
	A tiny opening or hole	<b>Osteoporosis</b> , A condition in which bones lose material and develop larger _____ than normal bones and become weaker.
<i>resistere</i>	To place against	_____ The force that a _____ exerts against an object.
<i>voluntas</i>		_____ A type of muscle that is under a person’s conscious control.

- i. How does the meaning of the Latin word *lingere* help you understand what a ligament is? \_\_\_\_\_
6. How many **key terms** are in chapter 13 ? \_\_\_\_\_
7. What kind of tool is the person on page 505 using as a lever to pull out a nail?  
\_\_\_\_\_

- 8. "How to Read Science" page 506
  - a. What is the reading skill being discussed? \_\_\_\_\_
  - b. Complete the two column note-taking organizer.

Questions	Notes: Cells
<i>What is a cell?</i>	The basic unit of _____ and _____ in a living thing.
<i>What is the structure of a cell?</i>	See fig. 1 <b>Cell membrane</b> – outside boundary of cell <b>Nucleus</b> - directs cells activities; contains DNA which contains information determining the cell’s structure and function. <b>Cytoplasm</b> – a jelly like substance that holds all the cell organelles.
<i>What are the functions of cells?</i>	Carry on processes that let the organism live, _____ and _____.  <u>Summary Statement</u> : Organisms are made of cells. Cells carry on important functions in organisms.

- c. Review the notes on the right hand column. What are two important ideas found in the notes?
  - i. \_\_\_\_\_
  - ii. \_\_\_\_\_
- d. According o the summary, what is the main idea of this text? \_\_\_\_\_

**9. Standards Investigation**

- a. If you tried the challenge on page 507 , what would be your goal?  
 \_\_\_\_\_

10. What is the **title of section 13.1** \_\_\_\_\_

11. List the 14 **key terms** in section 13.1 pg 508

- |          |          |
|----------|----------|
| a. _____ | i. _____ |
| b. _____ | j. _____ |
| c. _____ | k. _____ |
| d. _____ | l. _____ |
| e. _____ | m. _____ |
| f. _____ | n. _____ |
| g. _____ |          |
| h. _____ |          |

12. After you tried the **standards warm up** on page 508, You would think it over and make a list of inferences. What kind of things would you be listing? \_\_\_\_\_

\_\_\_\_\_

**13. A Green Key on page 508**

According to the green key what do the levels of organization in the human body consist of?

- a. \_\_\_\_\_ c. \_\_\_\_\_  
 b. \_\_\_\_\_ d. \_\_\_\_\_

**14. Figure 1 “Cell Structure”**

- a. What structure forms the outside boundary of a cell? \_\_\_\_\_  
 b. What part of the body did the cell shown in the microscopic photograph come from? \_\_\_\_\_  
 c. What are the three main parts of a cell?  
 i. \_\_\_\_\_  
 ii. \_\_\_\_\_  
 iii. \_\_\_\_\_

15. If you tried this **Lab Zone activity on page 509**, You would be analyzing the organization of what? \_\_\_\_\_

**16. Define the Highlighted words on page 510**

- a. Muscle Tissue \_\_\_\_\_  
 \_\_\_\_\_  
 b. Nervous Tissue \_\_\_\_\_  
 \_\_\_\_\_  
 c. Connective issue \_\_\_\_\_  
 \_\_\_\_\_  
 d. Epithelial tissue \_\_\_\_\_  
 \_\_\_\_\_  
 e. Organ system \_\_\_\_\_  
 \_\_\_\_\_

**17. Figure 2 “Types of Tissue”**

- a. Compare and Contrast. How is the function of the nervous tissue different from the function of the epithelial tissue?  
 i. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**18. Figure 3 “The Skin”**

- a. How many meters does the average adult skin cover. \_\_\_\_\_ square meters

**19. Figure 4 “Blowing Bubbles”.**

- a. What body system moves air in and out of the lungs? \_\_\_\_\_

**20. Figure 5 “Materials in the Body”**

- a. What body system breaks down materials needed by he body? \_\_\_\_\_  
 b. What body system removes waste from the body? \_\_\_\_\_  
 c. What structure carries food from the mouth to the stomach? \_\_\_\_\_

**21. Define the Highlighted words on pages 512 and 513**

- a. Digestion \_\_\_\_\_  
 \_\_\_\_\_  
 b. Kidney \_\_\_\_\_  
 \_\_\_\_\_  
 c. nephrons \_\_\_\_\_  
 \_\_\_\_\_  
 d. Urinary Bladder \_\_\_\_\_  
 \_\_\_\_\_

**22. LAB Zone “Try this Activity” page 513**

- a. If you tried this Lab Zone activity, How many plastic jars would you need? \_\_\_\_\_
- b. What 3 substances would you be putting in the jars?
- i. \_\_\_\_\_
  - ii. \_\_\_\_\_
  - iii. \_\_\_\_\_

**23. Figure 6 “Protection against Disease”**

- a. What is the white blood cell (shown in red) attacking and destroying?
- \_\_\_\_\_

**24. LAB Zone “Try this Activity” page 514**

- a. If you tried this Lab Zone activity, What would you be trying to find? \_\_\_\_\_
- \_\_\_\_\_

**25. Define the Highlighted words on pages 514 and 515**

- a. Pathogens \_\_\_\_\_
- \_\_\_\_\_
- b. antibodies \_\_\_\_\_
- \_\_\_\_\_
- c. immunity \_\_\_\_\_
- \_\_\_\_\_

**26. Figure 7 “Senses of Your Nervous System”**

- a. Match the body part with the sense
- i. Sight \_\_\_\_\_
  - ii. Hearing \_\_\_\_\_
  - iii. Touch \_\_\_\_\_
  - iv. Taste \_\_\_\_\_
  - v. Smell \_\_\_\_\_
  - vi. \_\_\_\_\_

**27. Figure 8 “Some Glands of the Endocrine System”**

- a. What chemical do endocrine glands produce? \_\_\_\_\_
- b. Which glands are located in the throat? \_\_\_\_\_
- \_\_\_\_\_

**28. Green Key on page 516**

- a. Explain the following statement. “All the systems of the body work together to maintain homeostasis”. \_\_\_\_\_
- \_\_\_\_\_

**29. Figure 9 “Maintaining Homeostasis”**

- a. What are a couple of things the skin and muscle do to help the body maintain a constant temperature of about 37 C? \_\_\_\_\_
- \_\_\_\_\_

**30. Highlighted word on page 517**

- a. Define Stress \_\_\_\_\_
- \_\_\_\_\_

**31. Figure 10 “Stress”**

- a. How does your body react to stress, such as a start of a bike race? \_\_\_\_\_
- \_\_\_\_\_