

**7<sup>th</sup> Scavenger hunt chapter 9.1**

Date \_\_\_\_\_

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

*Pre-read chapter 9.1 starting on page 312. Answer the questions.*

1. What is the **title of chapter 9**? \_\_\_\_\_
2. What is the **“Big Idea” of chapter 9** \_\_\_\_\_  
\_\_\_\_\_
3. **Check what you know.** Suppose you look at a seaweed under a microscope. What would you expect to see? What is the basic unit of structure and function in seaweed?  
\_\_\_\_\_
4. What is the vocabulary skill being discussed in the **“Build Your Science Vocabulary”** section? \_\_\_\_\_
5. Define the meaning of the following **prefixes**.
  - a. bi \_\_\_\_\_
  - b. con or com \_\_\_\_\_
  - c. de \_\_\_\_\_
  - d. The word fission means “division into parts” When an one celled organism reproduces by “binary” fission, how many new organisms are formed? \_\_\_\_\_
  - e. Some bacteria are decomposers. The root “compose” means to put together. What do decomposers do to dead organisms? \_\_\_\_\_
  - f. The root word “jugate” means join. What does conjugate mean?  
\_\_\_\_\_
6. How many **key terms are in chapter 9**? \_\_\_\_\_
7. What are the 3 types of organisms found in the **pictures on pages 314 and 315**?
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
8. What is the reading skill being discussed in the **“How to Read Science” on page 316**? \_\_\_\_\_
  - a. Draw a sketch of the venn diagram that compares oranges to lemons.
9. **Standards Focus page 318** *Complete the sentences.*
  - a. How are \_\_\_\_\_ like \_\_\_\_\_?
  - b. What is the \_\_\_\_\_ of a \_\_\_\_\_?
  - c. How do viruses \_\_\_\_\_?
  - d. How can you \_\_\_\_\_ a viral \_\_\_\_\_?

10. Copy and define the **5 key terms in chapter 9 section 1**

a. \_\_\_\_\_ def. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

b. \_\_\_\_\_ def. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

c. \_\_\_\_\_ def. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

d. \_\_\_\_\_ def \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

e. \_\_\_\_\_ def \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

11. If you tried the **standards warm up activity** page317, the teacher would provide you with two things that you would match up. What are those two things?

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

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

12. Copy the **red and blue headings** in section 9.1

I. \_\_\_\_\_

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

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

II. \_\_\_\_\_

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

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

III. \_\_\_\_\_

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

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

c. \_\_\_\_\_

13. What kind of organisms do the viruses like the one in **figure 1** infect? \_\_\_\_\_

14. **Definition of virus pg 318.** The book says that viruses are non-living particles. But, viruses can reproduce. They also can change and adapt. Their chemical makeup includes organic compounds such as proteins and nucleic acids. What is your opinion on this debate?

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

**15. Study figure 2**

- What do you find on the outside of a virus? \_\_\_\_\_
- What do you find on the inside of a virus? \_\_\_\_\_
- What is on the outside surface of a host cell? (A host cell is a cell that the virus can infect.) \_\_\_\_\_
- What is the only way that a virus can infect a host cell?  
\_\_\_\_\_

**16. Study figure 3**

- Compare and contrast an active virus vs. an hidden virus.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- The 1<sup>st</sup> two steps a virus takes to infect a cell are:

Step 1 The virus attaches itself to the surface of the host cell

Step 2: The virus injects its genetic material into the host cell.

What is step 3? \_\_\_\_\_  
\_\_\_\_\_

Step 4: new viruses fill the cell.

What is step 5? \_\_\_\_\_

- If you were to go online to phschool.com to try the “**Active Art activity on Active and Hidden Viruses**”, what web code would you use? \_\_\_\_\_

**18. Study figure 4**

- True or false? There is a man made cure for some viral infections. \_\_\_\_\_
- How are influenza and chicken pox spread? \_\_\_\_\_

**19. Study figure 5**

- What is the vet injecting into the cat? \_\_\_\_\_
- What is a vaccine? \_\_\_\_\_

Now go back and read ch9.1 carefully and see if you can answer the assessment questions on page 323.