

**Chapter 3.2 Scavenger Hunt. (7<sup>th</sup>)**

Date \_\_\_\_\_

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

*Pre- read chapter 3.2, starting on page 88 and find the answers to the scavenger hunt clues.*

1. What is the **title** of chapter 3.2? \_\_\_\_\_
2. List the 9 **key terms** in section 3.2 page 88
 

a. _____	f. _____
b. _____	g. _____
c. _____	h. _____
d. _____	i. _____
e. _____	
3. **California Standards Focus -3 Green Keys page 88**
  - a. Complete the three standards focus questions.
    - i. What role do the \_\_\_\_\_ and the \_\_\_\_\_ play in the cell?
    - ii. What is the role of the \_\_\_\_\_ in the cell?
    - iii. What \_\_\_\_\_ are found in the \_\_\_\_\_ and what are their functions?
    - iv. How do \_\_\_\_\_?
4. **Lab Zone Standards Warm up on page 88**
  - a. What is the organism in the photo? \_\_\_\_\_
  - b. How long is an amoeba? \_\_\_\_\_mm
  - c. How tall are you in millimeters? \_\_\_\_\_mm
  - d. How many amoebas stacked end to end would it take to equal your height? \_\_\_\_\_
  - e. How many body cells(.01mm) stacked end to end would it take to equal your height? \_\_\_\_\_
5. Look at all the **red headings in section 3.2**
  - a. How many red headings are in section 1? \_\_\_\_\_
  - b. Copy each red heading in the section below.
    - i. \_\_\_\_\_
    - ii. \_\_\_\_\_
    - iii. \_\_\_\_\_
    - iv. \_\_\_\_\_
6. **Define the highlighted words on page 88-89**
  - a. Organelle \_\_\_\_\_
  - b. Cell Wall \_\_\_\_\_
  - c. Cytoskeleton \_\_\_\_\_
  - d. Cell Membrane \_\_\_\_\_

7. **Green Keys page 89**
- What structure found in plant cells helps protect and support the cell?
    - \_\_\_\_\_
  - What structure found in cells controls what comes in to and out of the cell?
    - \_\_\_\_\_
8. **Figure 5 “Cell Wall and Cell Membrane”** *Compare paramecium and onion cells.*
- How is the cell of the single celled paramecium different from the cells of onion root tips? \_\_\_\_\_
  - What shape does the cell wall give an onion root tip cell? \_\_\_\_\_
9. **Figure 6 “Plant and Animal Cells”**
- What organelles do both plant and animal cells have in common?
    - Cell Membrane
    - Nucleus
    - Cytoplasm
    - \_\_\_\_\_
    - \_\_\_\_\_
    - \_\_\_\_\_
    - \_\_\_\_\_
    - \_\_\_\_\_
  - What organelles do plants cells have but animal cells do not?
    - \_\_\_\_\_
    - \_\_\_\_\_
10. **Lab Zone Skills Activity page**
- In this activity, what materials would you need? \_\_\_\_\_  
\_\_\_\_\_
  - What would you be making with these materials? \_\_\_\_\_  
\_\_\_\_\_
11. **Define the Highlighted words on pages 92-93**
- nucleus \_\_\_\_\_
  - cytoplasm \_\_\_\_\_
  - mitochondria \_\_\_\_\_
  - endoplasmic reticulum \_\_\_\_\_
  - ribosomes \_\_\_\_\_
12. **Figure 7 “Nucleus”**
- List four features of the nucleus.
    - \_\_\_\_\_
    - \_\_\_\_\_
    - \_\_\_\_\_
    - \_\_\_\_\_

13. **Figure 8 “Mitochondria”**  
a. What do the mitochondria release? \_\_\_\_\_
14. **Figure 9 “Endoplasmic reticulum”**  
a. What moves throughout the cell by the way of the endoplasmic reticulum?  
\_\_\_\_\_
- b. What are the black spots on the endoplasmic reticulum? \_\_\_\_\_
15. **Figure 10 “Golgi body”**  
a. What is the function of the golgi body? \_\_\_\_\_
16. Define the **highlighted words on page 94**  
a. Golgi body \_\_\_\_\_  
\_\_\_\_\_
- b. Chloroplasts \_\_\_\_\_  
\_\_\_\_\_
- c. Vacuole \_\_\_\_\_  
\_\_\_\_\_
- d. Lysosomes \_\_\_\_\_  
\_\_\_\_\_
17. **Lab Zone Try This Activity “Comparing Cells”**  
a. What will you be looking at and comparing under a microscope? \_\_\_\_\_  
\_\_\_\_\_
18. **Green Key page 95**  
a. What is it about cells that reflects differences in cell functions? \_\_\_\_\_  
\_\_\_\_\_
19. **Figure 11 “Specialized Cells”**  
a. What two types of cells are shown in the photos?  
i. \_\_\_\_\_  
ii. \_\_\_\_\_

Now go back and read the chapter carefully. Then complete the workbook section 3.2 and see if you can answer the questions in the section 3.2 assessment.