

Chapter 3.1 Scavenger Hunt (7th)

Date _____

Last Name _____, First _____ per _____

Pre- read chapter 3.1 starting on page 74 and find the answers to the scavenger hunt clues.

1. What is the **title** of chapter 3? _____
2. What is the “**Big Idea**” of chapter 3? _____

3. **Check what you know.**
 - a. What optical tools would you need to study the structure of microorganisms in the soil?

4. What do you think the objects in the picture on pages 74 and are?

5. **Build Your Science Vocabulary”**
 - a. What is the vocabulary skill being discussed in the “section on page 76?

 - b. Complete the table.

Prefix	Meaning	Example Word
<i>Chloro-</i>		<i>Chloroplast</i> The cellular structure that captures _____ from _____
		<i>Cytoskeleton</i> The framework inside a cell.
		<i>Multicellular</i> Many Cells
<i>Uni-</i>	one	Unicellular _____ _____ _____

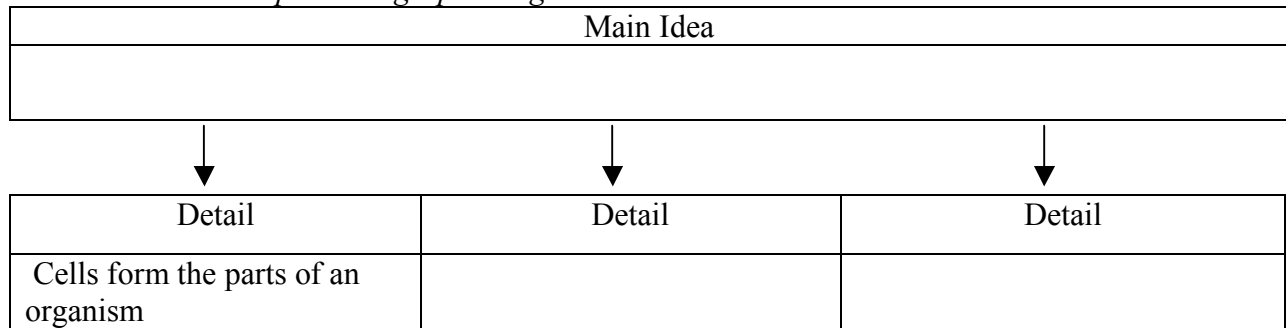
Apply It!

- i. A chloroplast is a structure in plant cells. What color do you think chloroplasts are? _____
 - ii. What clue within the word cytoplasm lets you know that it has something to do with cells? _____
6. How many **key terms** are in chapter 3 ? _____
7. What compound is the swimmer on page 77 breathing out? _____

8. “How to Read Science” page 78

a. What is the reading skill being discussed? _____

b. Complete the graphic organizer below.



9. Standards Investigation

a. If you tried the challenge on page 79, what would be your goal?

10. What is the **title of section 3.1** _____11. List the 7 **key terms** in section 3.1 pg 80

a. _____

e. _____

b. _____

f. _____

c. _____

g. _____

d. _____

12. Try the **standards warm up** on page 80,

a. What optical tools will you need for this investigation? _____

b. What did you observe with a microscope that you could not with your bare eyes?

13. Figure 1 “Newt and Coral Fungus”

a. What do the newt and the coral have in common? _____

14. An Overview of Cells -A Green Key on page 81

a. According to the green key what are the basic units of structure and function in living things? _____

15. Look at all the **red headings in section 3.1**

a. How many red headings are in section 1? _____

b. Under which heading would you look if you were looking for information concerning the size of cells? _____

c. Under which heading would you look if you were looking for information concerning when the first microscope was invented?

d. Under which heading would you look if you were looking for information concerning the cell theory? _____

e. Under which heading would you look if you were to compare and contrast multicellular organisms with unicellular organisms?

16. Define the **Highlighted word on page 81**
 a. cell _____

17. **“First Observations of Cells”, Green Key page 81**
 a. What invention made the discovery of cells possible? _____
18. **Figure 2 “The Skin”**
 a. What kind of cells are shown in figure 2? _____
19. Interpret the **timeline “Microscopes Improvement Over Time”** on pages 82 and 83.
 a. How many years does the timeline on pages 82 and 83 span? _____
 b. What is the name of the most powerful microscope shown in the timeline?

 c. Describe the first compound microscope from 1590. _____
 d. Who invented a compound microscope with an oil lamp as a light source?

 e. Who invented a simple microscope in 1674 that could magnify objects 266 times?

20. **Figure 3 “Monarch and Milkweed ”.**
 a. What do the monarch butterfly and the milkweed have in common? _____

21. **Go Online page 84**
 a. If you were to go online to do research on the cell theory, what is the web address and the web code you would use? _____
22. **“What The Cell Theory Says’ Green Key on page 84.**
 a. What are the 3 parts of the cell theory?
 i. All living things are made of _____.
 ii. ____ are the basic unit of _____ and _____.
 iii. All cells are produced from _____.
23. **Figure 4 “Cellular Organization”**
 a. Which organism is multicellular? _____
 b. Which organism is unicellular? _____
24. **Highlighted words on page 85.** Define the terms
 a. Unicellular _____

 b. Multicellular _____

 c. Tissue _____

 d. Organ _____

 e. Organ system _____
