

Chapter 4.3 Text Scavenger Hunt

Date _____

Last Name _____, First _____ per _____

Pre- read chapter 4.3, starting on page 129 and find the answers to the scavenger hunt clues

1. What is the **title of chapter 4 section3**? _____
2. **Key Terms page 129** What are the six key terms you need to learn in this section?
 - a. _____
 - b. _____
 - c. _____
 - d. _____
 - e. _____
 - f. _____
3. **California Standards Focus 2 green keys, Complete the sentences.**
 - a. What _____ take place in the _____ of the _____?
 - b. How does the structure of _____ help account for the way in which DNA copies itself?
4. **Lab Zone Standards Warm Up “What Are Yeast Cells Doing?”**
 - a. What kind of cells will you be looking at with a microscope? _____
5. How did the people in the **picture on page129** win a prize? _____
6. **Red Headings 4.3**
 - a. How many red headings are in section 4.3? _____
 - b. Copy the titles of each of the red headings in chapter 4 section 3?
 - i. _____
 - ii. _____
 - iii. _____
 - iv. _____
7. **Lab Zone Try This Activity “Modeling Mitosis”**
 - a. What kind of model will you be making? _____
 - b. How many chromosomes will your model have? _____
8. **Figure 10 on page 131, “Bigger Pig”**
 - a. what does the mother have more of than her babies? _____
9. **Highlighted words pages 130 and 132**
 - a. Cell Cycle _____
 - b. Interphase _____
 - c. Replication _____
 - d. Mitosis _____
 - e. Chromosomes _____

10. **Green Key Page 130**
- What 3 things happen during **interphase**?
 - _____
 - _____
 - _____
11. **Green Key page 131**
- During mitosis, how is DNA distributed? _____
12. **Figure 11 “Chromosomes”**
- What are the purple objects shown in figure 11? _____
 - During what stage of the cell cycle can you see condensed chromosomes inside the cell? _____
13. **Figure 12 shows events that take place during the cell cycle.** Make a list of the events in the order that they take place.
- 1 _____, 2a. _____ 2b. _____
2c. _____ 2d. _____, 3. _____
14. **Figure 13 “Cytokinesis in Plant Cells”** shows a dividing plant cell.
- What is forming down the middle between the 2 nuclei? _____
15. Study the pie graph on the **Math Analyzing Data activity on page 134.**
- How long does it take for a human liver cell to go through one complete cycle?
 - How long does the cell division stage of mitosis take place? _____
16. **Green Key page 134**
- What 2 events take place in the cytokinesis stage of the cell cycle?
 - _____
 - _____
17. Study the **structure of DNA in figure 14.**
- What is the shape of the DNA molecule? _____
 - What are the 4 nitrogen bases found in DNA?
 - The diagram shows the sides of the DNA molecule with alternating purple and orange parts.
 - What do the purple parts represent? _____
 - What do the orange parts represent? _____
18. **Figure 15 “DNA Replication”**
- When a cell divides it needs to make a copy of its DNA for each of the new daughter cells. Figure 15 shows how this is done. During DNA replication, what happens between the paired bases? _____
19. **Green key on page 136.**
- How does the order of bases in the original DNA compare to the order of bases in the new DNA? _____