

## 7th Text Scavenger Hunt 5.3

Date \_\_\_\_\_

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

1. What is the **title of chapter 5** section 3 starting on page 170?

\_\_\_\_\_

2. **California Standards Focus** *Complete the sentences*

- What role do \_\_\_\_\_ play in \_\_\_\_\_?
- What \_\_\_\_\_ occur during \_\_\_\_\_?
- What is the \_\_\_\_\_ between \_\_\_\_\_ and \_\_\_\_\_?

3. Make a list of the **3 key terms in section 5.3**

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

4. Two cells are shown in **figure 11**. What kind of cells are they?

- \_\_\_\_\_
- \_\_\_\_\_

5. **Lab Zone Standards Warm Up ‘Which Chromosome is Which?’**

- What materials will you need for this activity? \_\_\_\_\_
- What will the craft sticks labeled “A” represent? \_\_\_\_\_
- What will the craft sticks labeled “a” represent? \_\_\_\_\_

6. What are the titles of each **red heading in section 5.3**?

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

7. **Highlighted words pages 170 and 171. Define the following words.**

- Sexual Reproduction \_\_\_\_\_
- Diploid \_\_\_\_\_

8. Figure 12 Grasshopper Chromosomes

- What color are the grasshopper chromosomes shown **in figure 12**? \_\_\_\_\_
- Compared to its body cells, how many chromosomes does a grasshopper’s sex cells have? \_\_\_\_\_

9. Green key on page 171.

- What is the name of the theory that explains that genes are carried from parent to offspring on chromosomes.

\_\_\_\_\_

10. **Figure 13** shows a kind of cell division similar to mitosis, except instead of producing two daughter cells, 4 sex cells are produced.

- a. What is the name of this type of cell division? \_\_\_\_\_
- b. The figure shows each stage of meiosis. Each stage is numbered. How many stages of meiosis are shown in figure 13? \_\_\_\_\_
- c. **Before Meiosis Begins,**
  - i. what must every chromosome in the parent cell do? \_\_\_\_\_
- d. **Meiosis I**
  - i. What do the chromosomes do during step A of Meiosis I? \_\_\_\_\_  
\_\_\_\_\_
  - ii. What do they do in step B of Meiosis I ? \_\_\_\_\_  
\_\_\_\_\_
  - iii. What do they do in step C of Meiosis I \_\_\_\_\_  
\_\_\_\_\_
- e. **Meiosis II**
  - i. Where do the chromosomes with their two chromatids move to during step A of meiosis II? \_\_\_\_\_
  - ii. How many cells are there at step A of meiosis II? \_\_\_\_\_
  - iii. As the centromeres split, and the chromatids separate, where do the chromosomes move to? \_\_\_\_\_
- f. **End of meiosis**
  - i. how many sex cells are produced at the end of meiosis? \_\_\_\_\_
  - ii. At the end of meiosis, compared to the parent cell, how many chromosomes do the sex cells have? \_\_\_\_\_

11. **Green key on page 174.** *Also read the sentence before the green key sentence.*

- a. How many chromosome pairs does a human body cell contain? \_\_\_\_\_
- b. How many genes are shown on the chromosome pair of figure 15? \_\_\_\_\_

12. **!!!BONUS QUESTION !!!**

- a. How many chromosomes does a human sex cell have? \_\_\_\_\_