

AP Biology
Chapter 13 Guided Reading Assignment

Name _____

1. Compare and contrast asexual and sexual reproduction.

2. Define the following terms:
 - a. Life cycle

 - b. Somatic cell

 - c. Karyotype

 - d. Homologous chromosomes

 - e. Sex chromosomes

 - f. Autosomes

 - g. Diploid cell

 - h. Haploid cell

 - i. Fertilization

 - j. Zygote

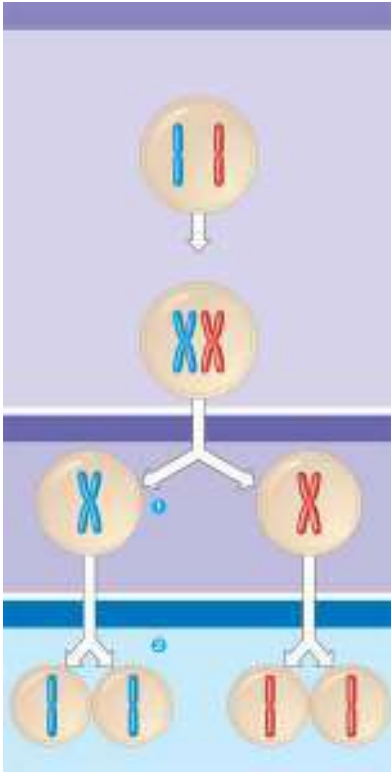
 - k. meiosis

3. How are karyotypes prepared?

4. Describe the three different types of life cycles.

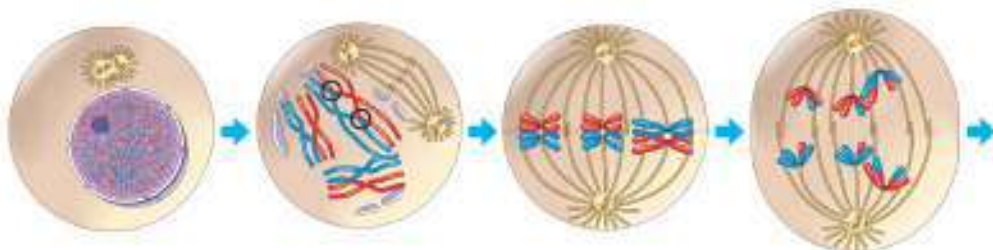
5. What exactly is meant by alternation of generations?

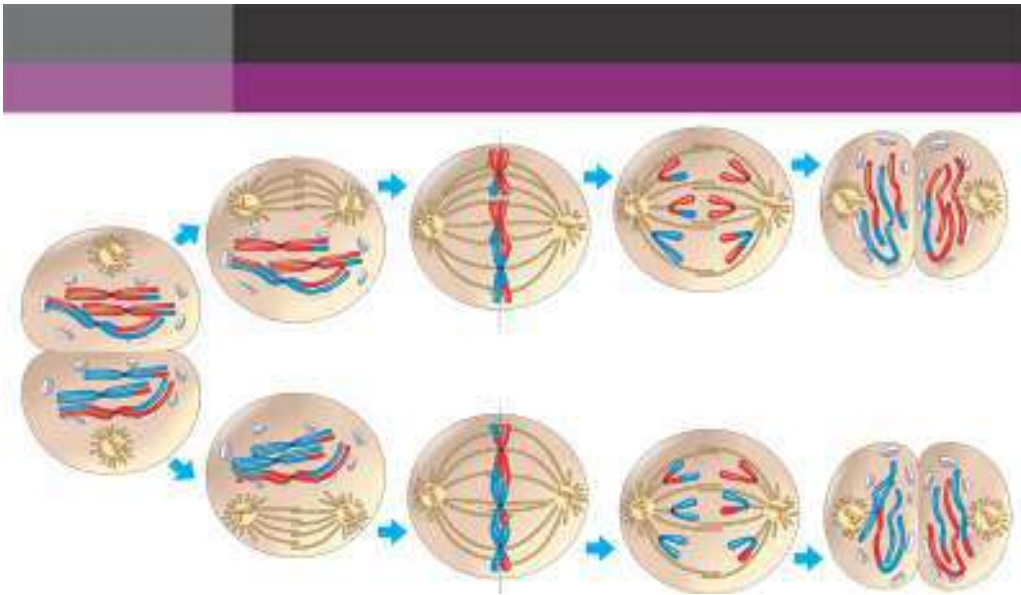
6. Complete the diagram below outlining an overview of meiosis.



7. What are the two broad goals of meiosis?

8. Label the following diagrams of meiosis.





9. Summarize the comparison of mitosis and meiosis.

10. Describe in detail the three sources of genetic variation in meiosis.

a.

b.

c.