

Name _____

Period _____

Date _____

AP: CHAPTER 13: MEIOSIS AND SEXUAL LIFE CYCLES

1. The key features of the two versions of reproduction.

a. Asexual Reproduction _____

b. Sexual Reproduction _____

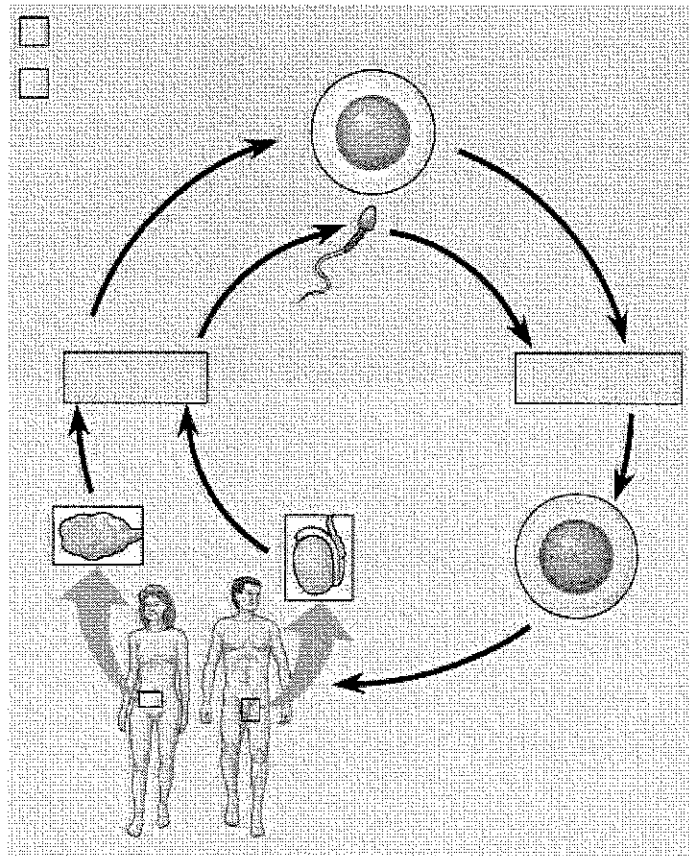
2. What is the role of meiosis in sexual reproduction?

3. What is a karyotype?

4. Identify several things the can be seen with a karyotype?

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5. Label the diagram of the human lifecycle. Include the chromosome numbers.



6. Compare the products of mitosis with meiosis.

a. Mitosis _____

b. Meiosis _____

7. Meiosis is said to be a double division. Explain.

Name _____

8. Meiosis is an important source of variation. Define and describe how each of the following contributes to variation within a species.

a. Independent Assortment _____

b. Random fertilization _____

c. Crossing Over _____

9. Draw a pair of homologous chromosomes and indicate a crossing over event and the products.

10. List the significant differences between mitosis and meiosis.

11. What is the significance of genetic variation and natural selection?
