Name _____ Class _____ Date _____



## Reviewing Key Concepts

**Identifying Processes** *On the lines provided, order the different stages of meiosis I and meiosis II in the proper sequence.*

_____ **1.** chromosome pairs line up in the center of the cell

_____ **2.** spindle fibers pull homologous pairs to ends of the cell

_____ **3.** 4 haploid (N) daughter cells form

_____ **4.** cells undergo a round of DNA replication

_____ **5.** sister chromatids separate from each other

_____ **6.** chromosomes form tetrads

_____ **7.** 2 haploid (N) daughter cells form

_____ **8.** spindle fibers attach to the homologous chromosome pairs

_____ **9.** individual chromatids move to each end of the cell

_____ **10.** crossing-over (if any) occurs

**Short Answer** *On the lines provided, answer the following questions.*

**11.** Compare the number and type of cells that result from meiosis and mitosis.

_____

_____

**12.** How do the genetic contents of cells resulting from mitosis and meiosis differ?

_____

_____

## Reviewing Key Skills

**13. Comparing and Contrasting** Describe a similarity and a difference between meiosis I and meiosis II.

_____

_____

**14. Comparing and Contrasting** How is the formation of gametes in males similar to the formation of gametes in females? How is it different?

_____

_____

**15. Applying Concepts** If a diploid cell containing 28 chromosomes undergoes meiosis, how many chromosomes will each daughter cell have?

_____

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