

Skills Worksheet

Vocabulary Review

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- _____ 1. An organism's reproductive cells, such as sperm or egg cells, are called
a. genes. c. gametes.
b. chromosomes. d. zygotes.
- _____ 2. Chromosomes that are similar in size, shape, and genetic content are called which of the following?
a. homologous chromosomes c. diploid
b. haploid d. ovum
- _____ 3. When a cell contains two sets of chromosomes, it is said to be
a. haploid. c. diploid.
b. binary. d. budding.
- _____ 4. When a cell contains one set of chromosomes, it is said to be
a. haploid. c. diploid.
b. crossing-over. d. homologous.
- _____ 5. A type of cell division that halves the number of chromosomes is known as
a. anaphase. c. mitosis.
b. meiosis. d. gametophyte.
- _____ 6. What process occurs during prophase I of meiosis?
a. cytokinesis c. crossing-over
b. random fertilization d. chromosome
- _____ 7. The union of the gametes during fertilization leads to the production of a(n)
a. alternation of generations. c. organism.
b. zygote. d. chromosome.
- _____ 8. The random distribution of homologous chromosomes in the formation of the gametes is
a. independent assortment. c. crossing-over.
b. zygote. d. chromosome.

Vocabulary Review *continued*

- _____ 9. What gamete is produced in quantities of four cells during meiosis?
- a. asexual
 - b. ovum
 - c. sporophyte
 - d. sperm
- _____ 10. What gamete is produced as one large cell and three smaller cells during meiosis?
- a. asexual
 - b. ova
 - c. sporophyte
 - d. sperm
- _____ 11. Diploid is an example of a
- a. life cycle.
 - b. cell cycle.
 - c. haploid cycle.
 - d. sperm cell.