

Name _____ Class _____ Date _____

Skills Worksheet

Test Prep Pretest

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

- _____ 1. As a cell prepares to divide, a DNA molecule and its associated proteins coil to form a
a. chromatid.
b. gene.
c. chromosome.
d. centromere.
- _____ 2. What is the number of chromosomes found in a human body cell?
a. 23
b. 46
c. 48
d. 64
- _____ 3. The sex of a human offspring is determined by
a. the female.
b. the male.
c. both the female and the male.
d. neither the female nor the male.
- _____ 4. Bacteria reproduce through an asexual process called
a. meiosis.
b. cytokinesis.
c. interphase.
d. binary fission.
- _____ 5. In plant cells, cytokinesis requires the formation of a new
a. Golgi apparatus.
b. cell wall.
c. centromere.
d. series of protein threads.
- _____ 6. Gene mutations that result in cancer often cause the
a. overproduction of growth-promoting proteins.
b. underproduction of growth-promoting proteins.
c. activation of control proteins that slow or stop the cell cycle.
d. Both (a) and (c)
- _____ 7. Which of the following is NOT part of the spindle apparatus in animal cells?
a. microtubules
b. belt of protein threads
c. spindle fibers
d. centrioles

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