

Mitosis and Meiosis Take Home Test (35 Points)**Multiple Choice**

Identify the letter of the choice that best completes the statement or answers the question.

- _____ 1. The first phase of mitosis is called
a. prophase.
b. anaphase.
c. metaphase.
d. interphase.
- _____ 2. What is the role of the spindle during mitosis?
a. It helps separate the chromosomes.
b. It breaks down the nuclear membrane.
c. It duplicates the DNA.
d. It divides the cell in half.
- _____ 3. One difference between cell division in plant cells and in animal cells is that plant cells have
a. centrioles.
b. centromeres.
c. a cell plate.
d. chromatin.
- _____ 4. During normal mitotic cell division, a parent cell having four chromosomes will produce two daughter cells, each containing
a. two chromosomes.
b. four chromosomes.
c. eight chromosomes.
d. sixteen chromosomes.
- _____ 5. Cancer is a disorder in which some cells have lost the ability to control their
a. size.
b. spindle fibers.
c. growth rate.
d. surface area.
- _____ 6. Chromatids are
a. dense patches within the nucleus.
b. bacterial chromosomes.
c. duplicate halves of a chromosome.
d. prokaryotic nuclei.
- _____ 7. A protein disk that attaches two chromatids to each other in a chromosome is called a
a. chloroplast.
b. centromere.
c. gamete.
d. centriole.

Mitosis And Meiosis 33 Questions Test Answer Key

RC Schank



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