

Name _____

A. Multiple choice questions

1. The two strands of a replicated chromosome during prometaphase is called
 - a. sister chromatids
 - b. centrosome
 - c. homologs
 - d. chromatin
 - e. chromosomes

2. Compared to the parent cell, each daughter cell derived from mitosis will
 - a. contain half the number of chromosomes and half the amount of DNA
 - b. contain half the chromosome number and identical DNA sequence.
 - c. contain twice the chromosome number and identical DNA sequence.
 - d. be identical in chromosome number but differ in DNA sequence.
 - e. be identical in chromosome number and DNA sequence.

3. The chromosomes appear and nuclear envelope disappears during
 - a. metaphase
 - b. prophase
 - c. S-phase
 - d. telophase
 - e. anaphase

4. Which of the following organisms does not reproduce cells by mitosis and cytokinesis?
 - a. *Escherichia coli*
 - b. *Yeast*
 - c. *Amoeba*
 - d. *Paramecium*
 - e. *Hydra*

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