

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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