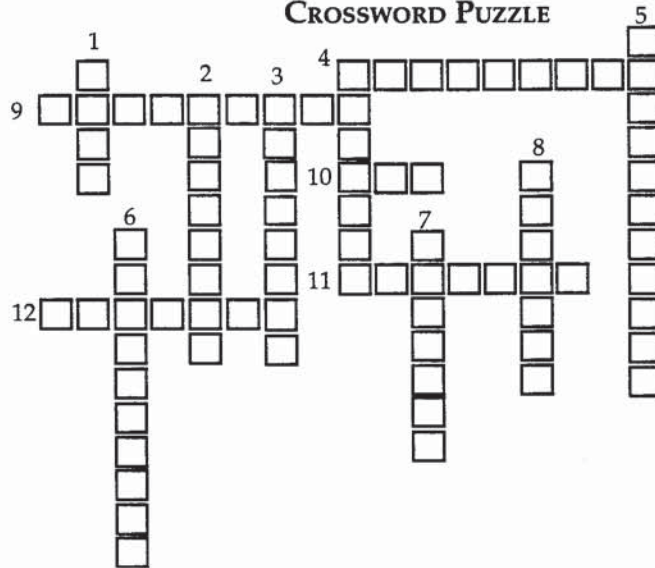


MITOSIS AND MEIOSIS CROSSWORD PUZZLE



Down

1. Only _____ cells can undergo meiosis.
2. When a cell first starts to undergo mitosis, it loses its nuclear membrane and chromosomes are formed from chromatin. This stage of mitosis is called _____.
3. Chromosomes move rapidly toward the mitotic centers during _____.
4. Sperm and egg cells result from a special type of cell division called _____.
5. DNA undergoes a process called _____ when it is duplicated.
6. When a cell is not undergoing the process of mitosis, it is in a stage called _____.
7. If an organism possesses just four different kinds of chromosomes and yet its cells have a total of eight chromosomes, eight would be its _____ number of chromosomes.
8. For the organism described above in the previous question, its _____ number of chromosomes is four.

Across

4. Duplicated chromosomes are arranged in the middle of the spindle during _____.
9. The stage of mitosis that happens at the same time the cytoplasm divides is called _____.
10. Eggs are also called _____.
11. The arrangement of microtubules that become visible during mitosis and that separate the chromosomes into equal groups is called the _____.
12. Telophase is the final stage of _____.

MITOSIS AND MEIOSIS
INTERACTIVE VIDEO QUIZ

Directions: Fill in the blank with the correct answer or circle True or False.

Part 1 Mitosis

1. The state of mitosis seen here is called _____.
2. Chromatin shortens and thickens to form these distinct structures called _____.
3. DNA is replicated during the stage between cell divisions called _____.
4. True or False: The division of the cytoplasm following mitosis is called cytokinesis.
5. The first stage of mitosis, the stage when the nuclear membrane begins to be reabsorbed into the cell, is called _____.

Part 2 Meiosis

1. As a result of meiosis, sex cells are formed that have _____ the number of chromosomes of body cells.
2. True or False: Pairs of identical chromosomes are also called homologous chromosomes.
3. True or False: Normal body cells are diploid because they possess one of each different chromosomes.
4. True or False: During meiosis, the DNA is replicated twice.
5. True or False: In plant and animal cells, meiosis occurs only in germ cells.