Quiz: Mitosis vs. Meiosis

Part 1: Matching

Directions: Match the term in Column A with the correct description in Column B. Write the letter on the line provided.

Column A	Column B
_____ 1. Mitosis	A. Cells with one set of chromosomes
_____ 2. Meiosis	B. Exchange of genetic material between homologous chromosomes
_____ 3. Gametes	C. Produces sex cells
_____ 4. Diploid Cell	D. Cells with 2 sets of chromosomes
_____ 5. Haploid Cell	E. Produced through meiosis
_____ 6. Crossing Over	F. Produces 4 daughter cells
_____ 7. Body Cells	G. Increases differences among offspring
_____ 8. Four Daughter Cells	H. Produces 2 identical daughter cells
_____ 9. Two Daughter Cells	I. Ordinary cells used for growth and repair
_____ 10. Genetic Variation	J. Cell division used for growth and repair

---

Part 2: Multiple Choice

11. Which process produces genetically identical daughter cells?

A. Meiosis
B. Fertilization
C. Mitosis
D. Mutation

12. How many daughter cells result from meiosis?

A. 2
B. 4
C. 6
D. 8

13. What is the main purpose of meiosis?

A. Growth and repair
B. Replace damaged cells
C. Produce gametes
D. Increase cell size

14. Human body cells contain how many chromosomes?

A. 23
B. 46
C. 92
D. 12

LIVEWORKSHEETS

15. Human gametes contain how many chromosomes?

A. 46
B. 92
C. 23
D. 12

16. Which process includes crossing over?

A. Mitosis
B. Meiosis
C. Cytokinesis
D. Interphase

17. Which type of cell division creates genetic variation?

A. Mitosis
B. Binary Fission
C. Meiosis
D. Cytokinesis

18. Mitosis produces cells that are _____ to the parent cell.

A. Different
B. Smaller
C. Identical
D. Haploid

19. Which of the following is NOT a characteristic of meiosis?

A. Produces gametes
B. Creates genetic variation
C. Produces four cells
D. Produces identical daughter cells

20. Which process is responsible for growth, development, and tissue repair?

A. Meiosis
B. Mitosis
C. Fertilization
D. Mutation

LIVEWORKSHEETS