

Name: _____ Row: _____

Date: _____ Period: _____

Mitosis vs. Meiosis Worksheet

Mitosis

1. What are the main purposes of mitosis? _____
2. Mitosis is part of what cycle? _____
3. What type of cell undergoes mitosis? Circle one: reproductive sex cells or somatic cells
4. How does a daughter cell compare to the parent cell after undergoing mitosis?
Circle one: identical to the parent or different than the parent
5. Does mitosis make haploid or diploid cells? Circle one: haploid or diploid
6. What n value are cells made by mitosis? Circle one: n or $2n$ or $4n$

Meiosis

7. What type of cell undergoes meiosis? Circle one: reproductive sex cells or somatic cells
8. What are the two main types of gametes? _____
9. What are gametes used for? _____
10. Does meiosis make haploid or diploid cells? Circle one: haploid or diploid
11. What n value are cells made by meiosis? Circle one: n or $2n$ or $4n$
12. How does a daughter cell compare to the parent cell after undergoing meiosis?
Circle one: identical to the parent or different than the parent
13. What process in prophase 1 of meiosis makes every gamete different? _____
14. Compare and contrast mitosis and meiosis by filling in the Venn diagram below.

Mitosis

Meiosis

