

# Download File PDF Mitosis Vs Meiosis Answer Sheet

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Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

Mitosis vs. Meiosis

1. Complete the concept map comparing mitosis and meiosis. Use the following terms, which may be used one or more times: diploid cell, one cell division, four diploid cells, parent cell, two cells, daughter, body cell, same, chromosomes, genome-producing cell, half the original cells.

2. Define homologous chromosomes: \_\_\_\_\_

3. Define sister chromatids: \_\_\_\_\_

4. Describe 2 parts of meiosis that are similar to mitosis:

a. \_\_\_\_\_

b. \_\_\_\_\_

5. Identify whether each process below occurs during mitosis, meiosis, or both.

a. Sister chromatids separate \_\_\_\_\_

b. Haploid cells are formed \_\_\_\_\_

c. Cell division occurs once \_\_\_\_\_

d. Homologous chromosomes pair \_\_\_\_\_

e. 4 haploid cells are the final result \_\_\_\_\_

f. Crossing over occurs \_\_\_\_\_

g. Cell division occurs twice \_\_\_\_\_

h. Replicated chromosomes line up in the middle of the cell \_\_\_\_\_

i. 2 diploid cells are the final result \_\_\_\_\_

6. Define crossing over: \_\_\_\_\_

7. What phase does it occur? \_\_\_\_\_

8. Does the parent cell in Meiosis start off as diploid or haploid? \_\_\_\_\_ Are the resulting cells at the end of Meiosis diploid or haploid? \_\_\_\_\_

9. Does the parent cell in Mitosis start off as diploid or haploid? \_\_\_\_\_ Are the resulting cells at the end of Mitosis diploid or haploid? \_\_\_\_\_

10. How does the number of chromosomes in a sex cell compare with the number of chromosomes in the parent cell? \_\_\_\_\_

Mitosis or meiosis?	Mitosis or meiosis?
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____
5. _____	5. _____
6. _____	6. _____
7. _____	7. _____
8. _____	8. _____
9. _____	9. _____
10. _____	10. _____

Parent Cell

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