

Mitosis and Meiosis Comparison

	Mitosis	Meiosis
Number of cells produced	2	4
Daughter cells identical to parent cells?	Identical	Not identical
Number of phases in each round of cell division	4	4
Can crossing over occur?	No	Yes
Do chromosome pairs line up?	No	Yes (metaphase I)
Do chromosomes line up at the metaphase plate (equator) of the cell?	Yes	Yes

Complete the Venn diagram below, comparing mitosis and meiosis.

