

Name _____

Date ____ / ____ / ____

COMPARING AND CONTRASTING MITOSIS AND MEIOSIS

Determine whether the following characteristics apply to mitosis, meiosis or both by putting a check in the appropriate column(s).

	Mitosis	Meiosis
1. no recombination of homologs occurs	X	
2. two cell divisions		X
3. produces four daughter cells		X
4. associated with asexual reproduction and growth	X	
5. associated with sexual reproduction		X
6. one cell division	X	
7. produces two daughter cells	X	
8. chromosomes are duplicated	X	
9. chromosome number is maintained	X	
10. chromosome number is halved		X
11. homologous chromosomes may perform crossing-over	X	
12. daughter cells are the same as parent cell	X	
13. daughter cells are not the same as parent cell	X	
14. This produces gametes		X
15. synapsis occurs in prophase		X