Stages of Meiosis



MALES

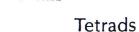
FEMALES



Tetrads MEIOSIS I



PROPHASE





Primary spermatocyte

Primary oocyte



METAPHASE



Secondary spermatocytes (monoploid)





oocyte

(Unequal division of cytoplasm)





TELOPHASE



-1st polar body



MEIOSIS II







METAPHASE







ANAPHASE



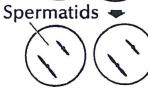


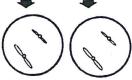


TELOPHASE



(Unequal division of cytoplasm)







2nd polar body











Mature ovum (egg)

00	OMPARING MITOSIS AND MEIOSI	s Name	
Determine whether the following characteristics apply to mitosis, meiosis or both by putting a check in the appropriate column(s).			
Pun		Mitosis	Meiosis
1.	no pairing of homologs occurs		
2.	two divisions	·	
3.	four daughter cells produced		•
4.	associated with growth and asexual reproduction		
5.	associated with sexual reproduction		
6.	one division		
7.	two daughter cells produced		
8.	involves duplication of chromosomes		-
9.	chromosome number is maintained		
10.	chromosome number is halved		
11.	crossing over between homologous chromosomes may occur		•
12.	. daughter cells are identical to parent cell		
13.	. daughter cells are not identical to parent cell		
14.	. produces gametes		
15.	. Crossing over in prophase		