



MEIOSIS		PROCESS	OUTCOME
		DNA synthesis	
Occurs in S phase of interphase	During prophase I	Synapsis of homologous chromosomes	Number and genetic composition of daughter cells
	During prophase I	Crossover	
	During metaphase I	Homologous chromosomes line up at metaphase plate	
	During metaphase II	Sister chromatids line up at metaphase plate	
Occurs in S phase of interphase			Four haploid cells at the end of meiosis II
Does not occur in mitosis			
Does not occur in mitosis			
Does not occur in mitosis			
During metaphase			Two diploid cells at the end of mitosis