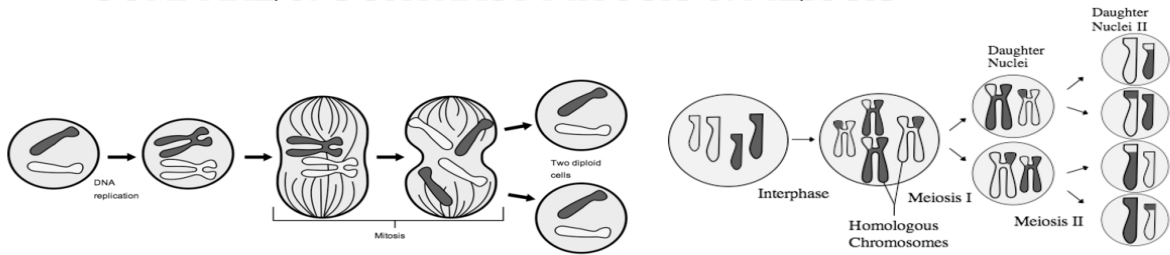


COMPARE & CONTRAST MITOSIS & MEIOSIS



		MITOSIS	MEIOSIS
1	Function	<p>Helps an organism grow by making new cells</p> <p>Makes new autosomes (body cells)</p>	Makes gametes (sperm or eggs)
2	Type of cells that undergo this process	<p>Autosomes (body cells) Example: liver, muscle, etc.</p>	gametes
3	Location in Body	Every cell in the body but -->	Testes and ovaries (reproductive organs)
4	Number of Daughter Cells Produced	2	4
5	Change in Chromosome Number	No change. Exactly the same number of chromosomes in daughter cells as parent cells.	Number of chromosomes is reduced by 50%
6	Number of Divisions in the Nucleus	one	two
7	Difference in DNA Between Parent Cell & Daughter Cells	DNA is identical	<p>DNA is different in the daughter cells because of crossing over</p> <p>Daughter cells are different from each other. Daughter cells are different from parent cells</p>