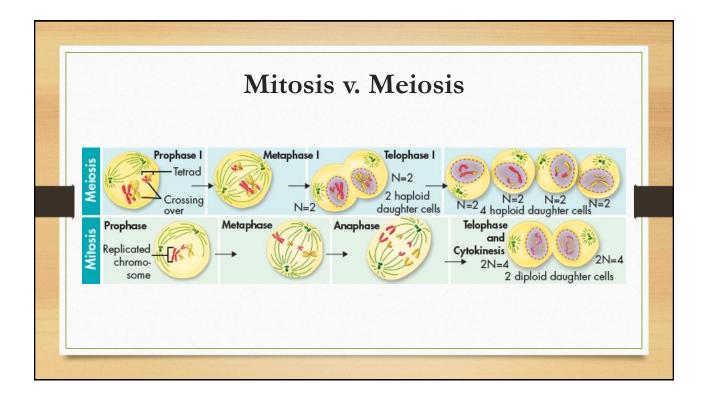
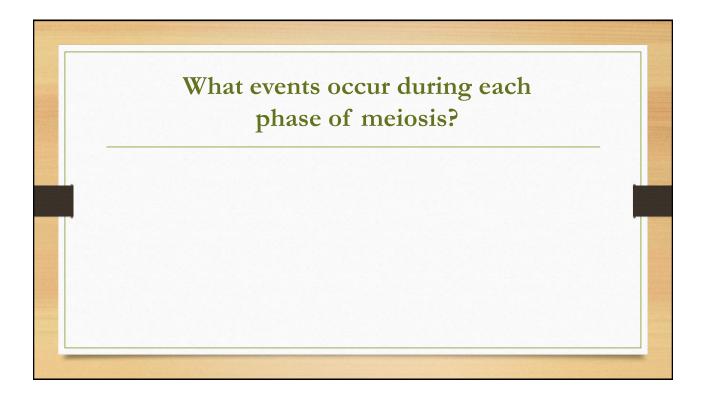
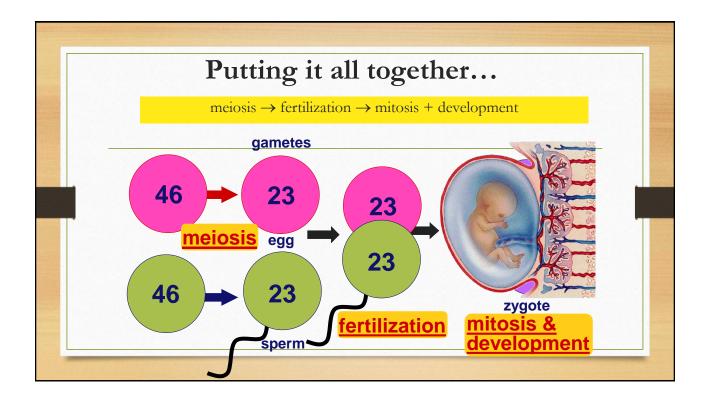
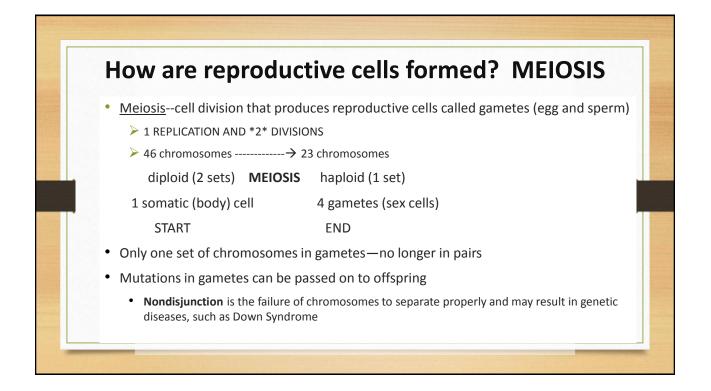


	Mitosis	Meiosis
Results in	2 Diploid Cells (2N)	4 Haploid Cells (N)
Cells are	Genetically Identical	Genetically Different
Occurs in	Somatic or body cells	Gamete or sex cells

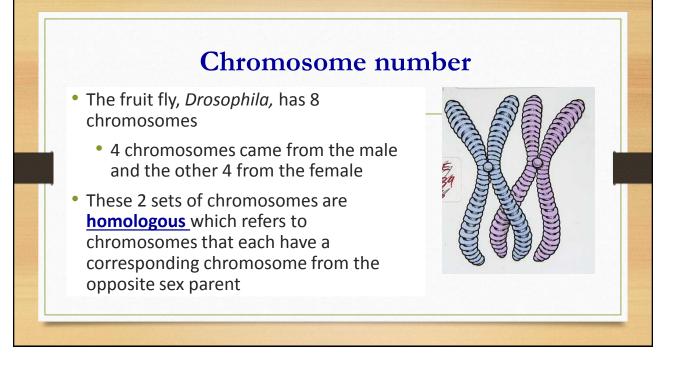


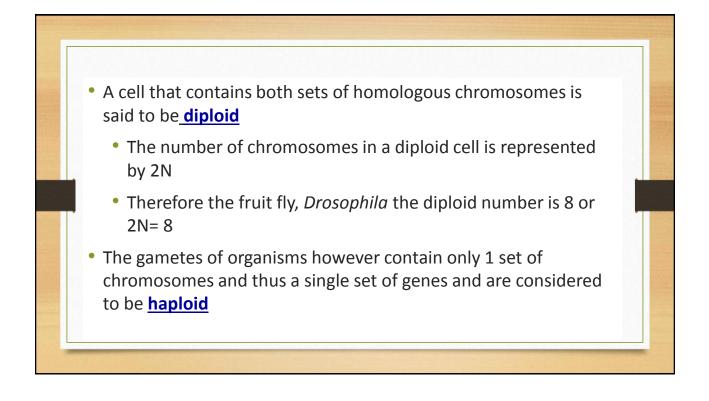


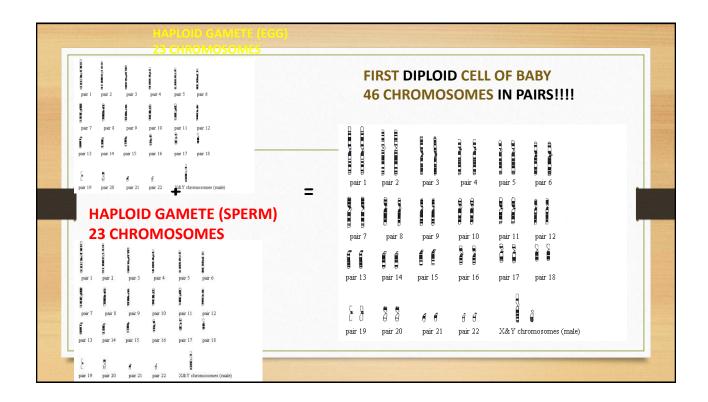


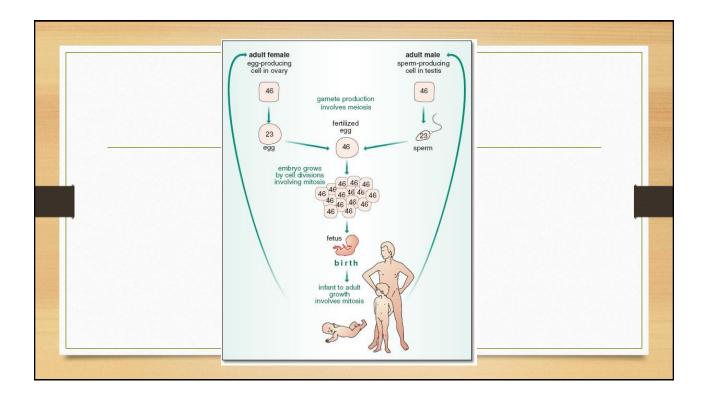


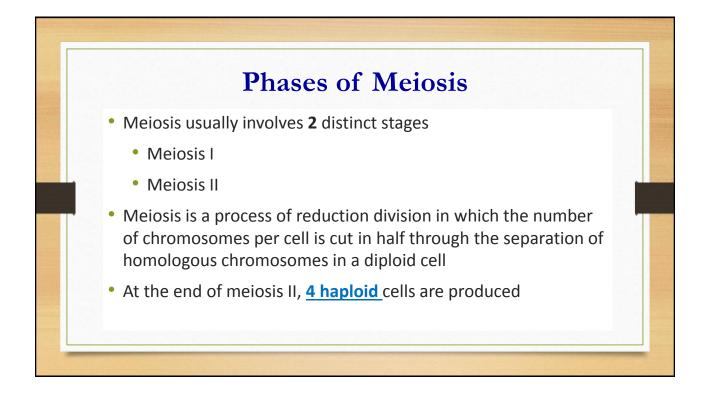
	Body Cells vs. Reproductive Cells											
	-		-					-115				
1	SOMATIC CELLS *non-sex DIPLOID		GAMETES (sperm, eggs) * sex cells HAPLOID									
pair 1 pair 2	pair 3 pair 4	pair 5 pair 6	pair 1	pair 2	pair 3	pair 4	pair 5	pair 6				
pair 7 pair	B pair 9 pair 10	pair 11 pair 12										
pair 13 pair 14		pair 17 pair 18	pair 7	pair 8	pair 9	pair 10	pair 11	pair 12 S Pair 18				

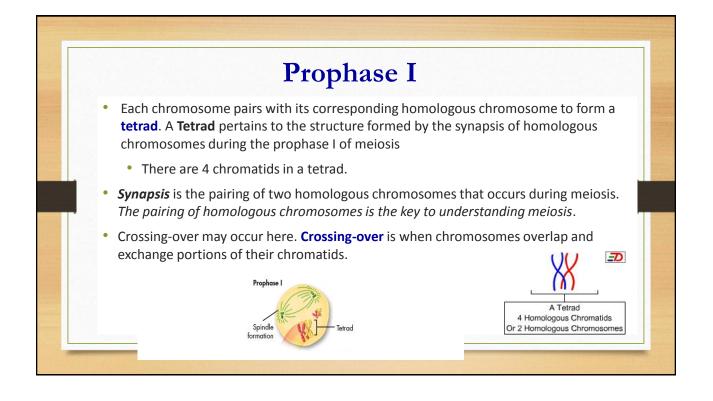


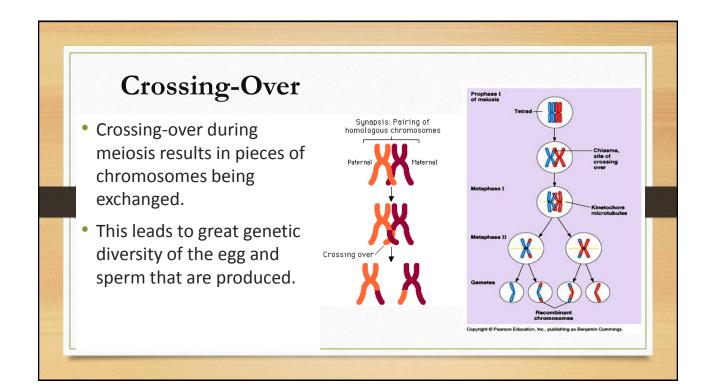


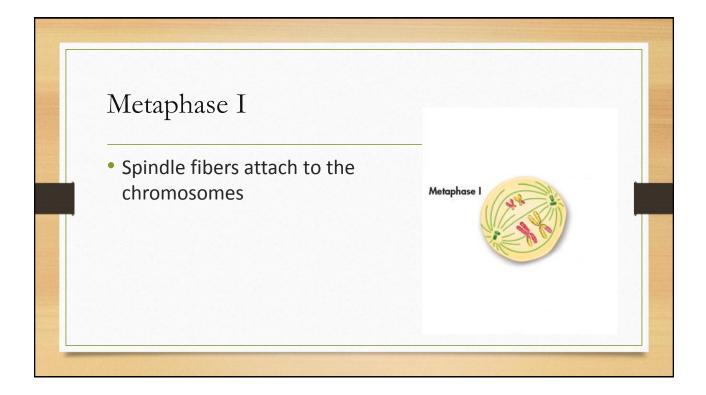


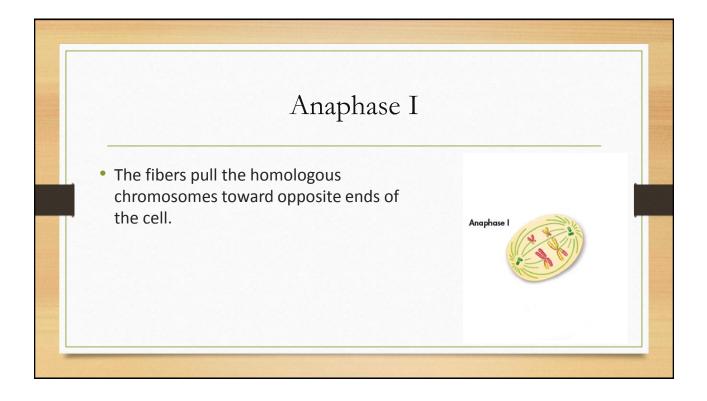


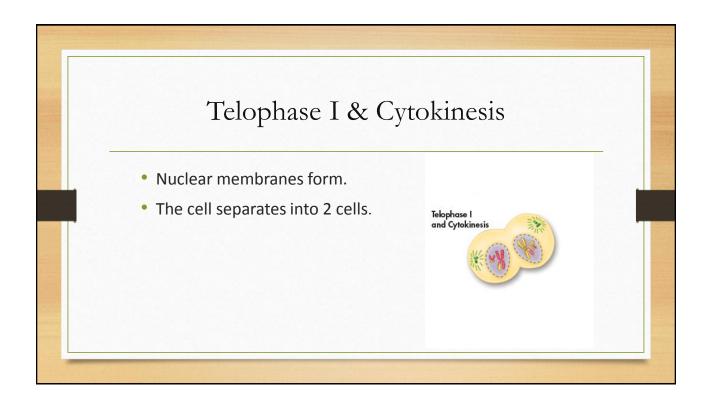


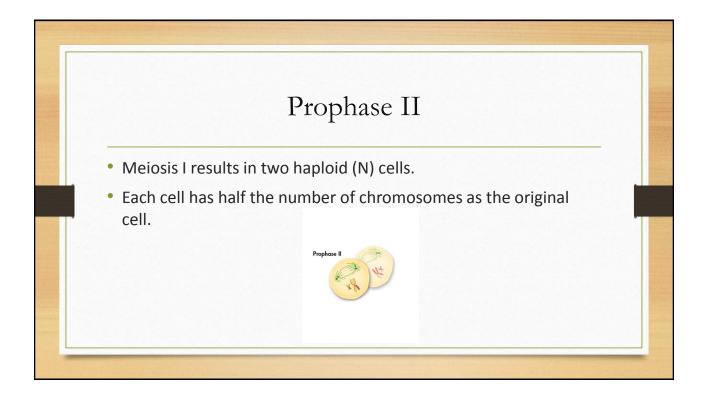


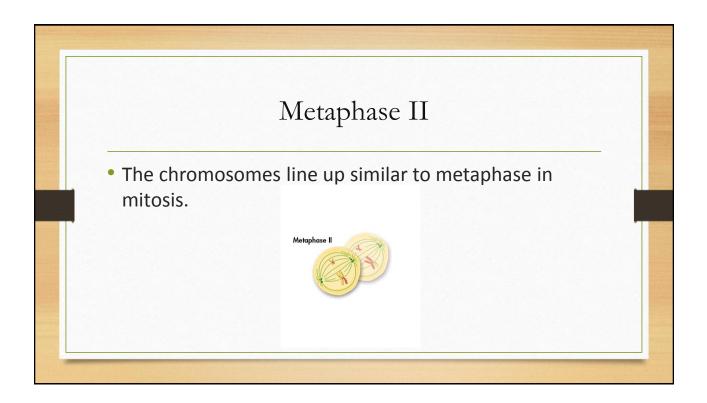


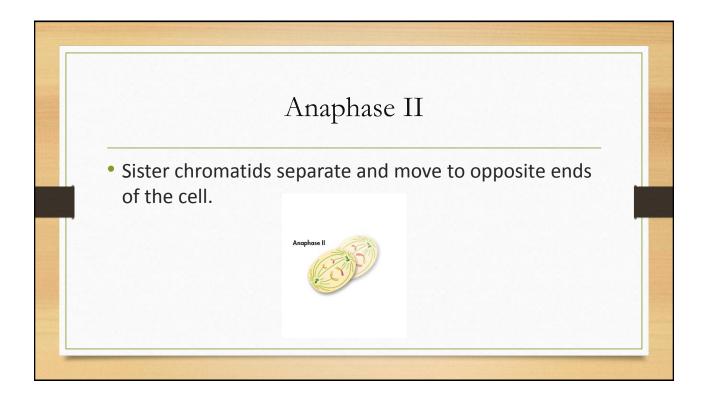


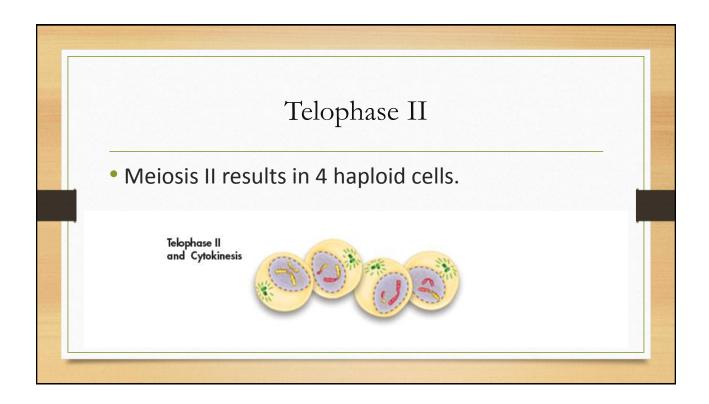


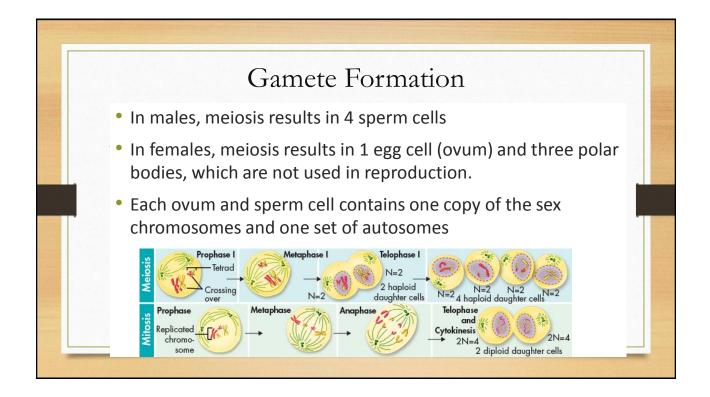


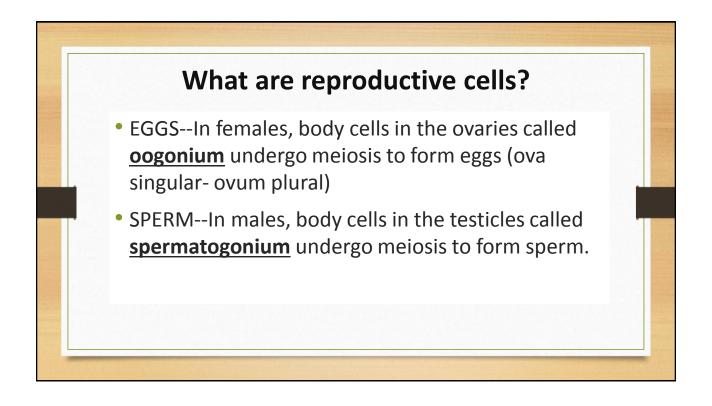


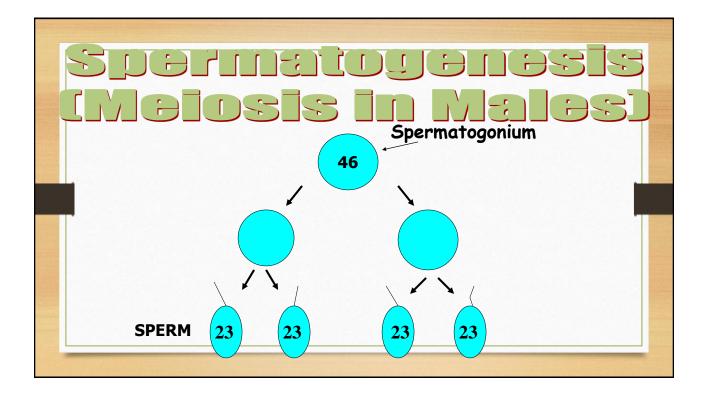


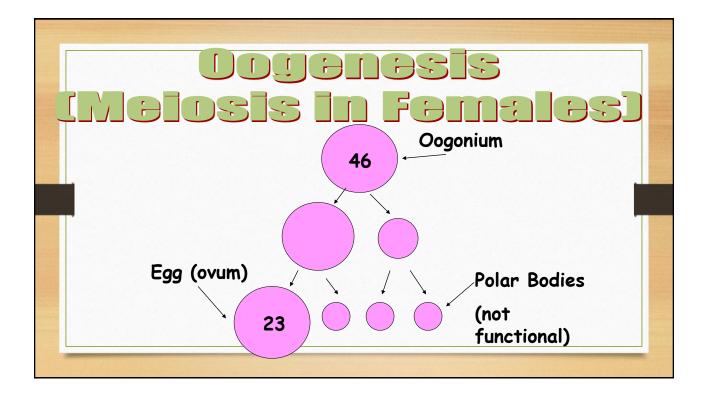


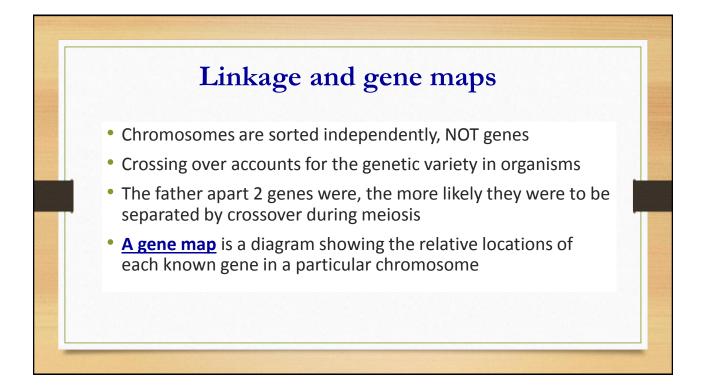


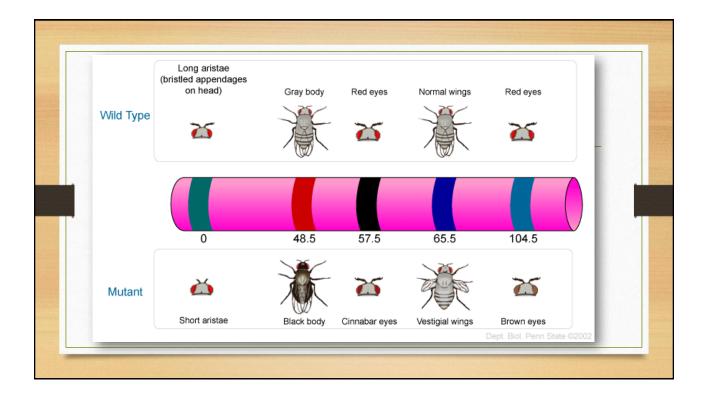




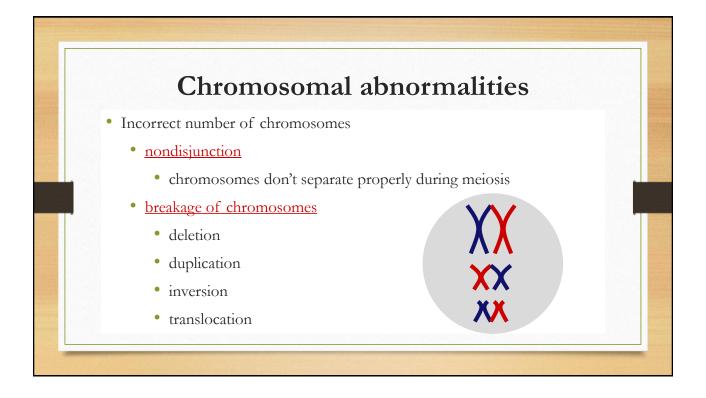


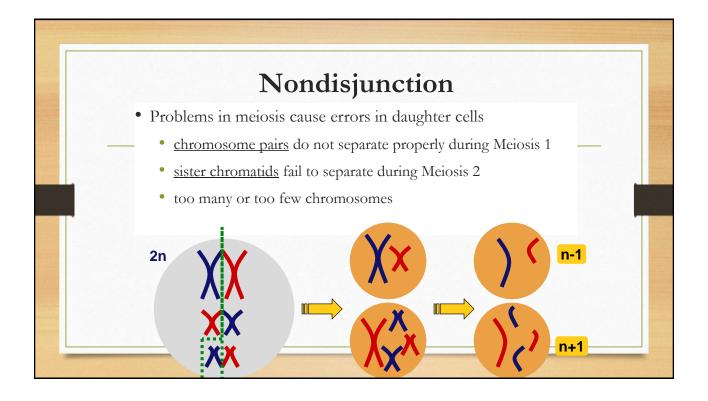


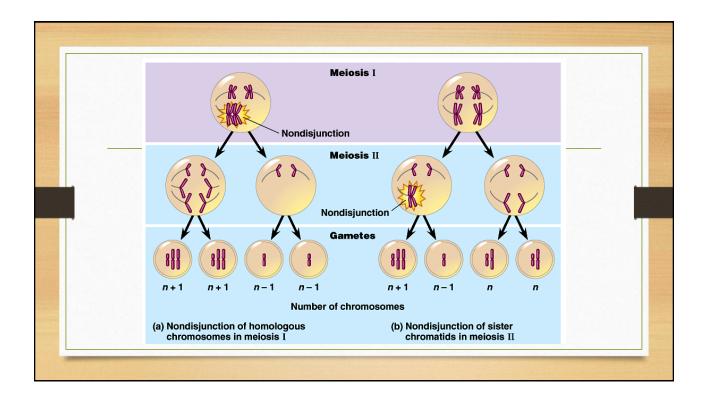


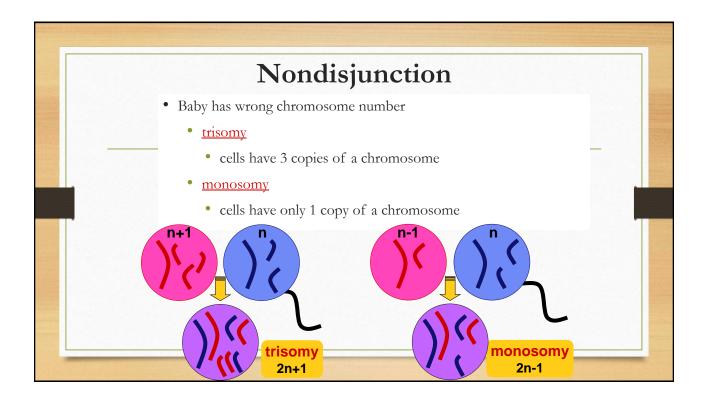


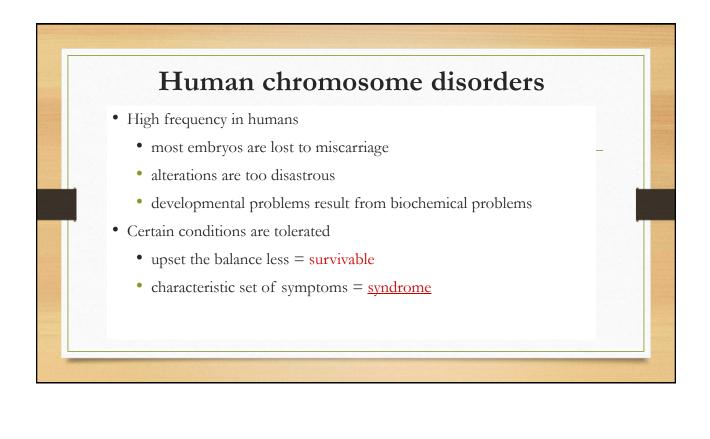
What are some problems that may occur during meiosis?











Down syndrome

- Trisomy 21
 - 3 copies of chromosome 21
 - 1 in 700 children born in U.S.
- Chromosome 21 is the smallest human chromosome
 - but still severe effects
- Frequency of Down syndrome is related to the age of the mother

