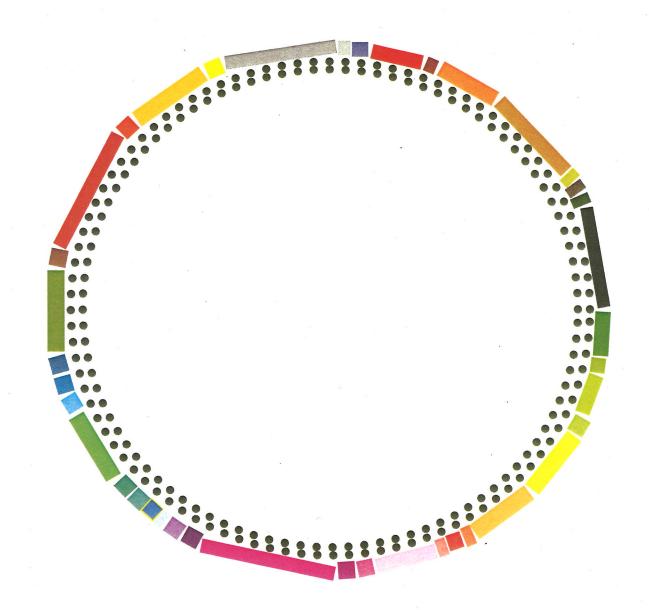


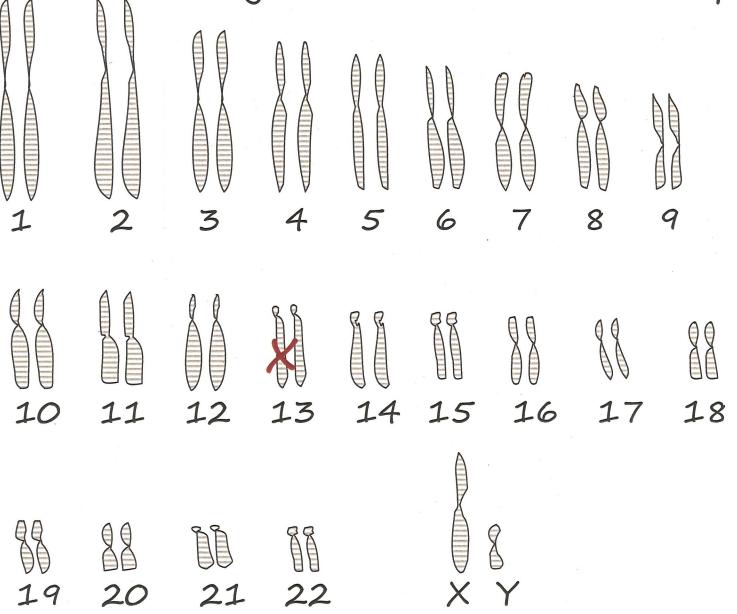
Nuclear DNA is organized in chromosomes

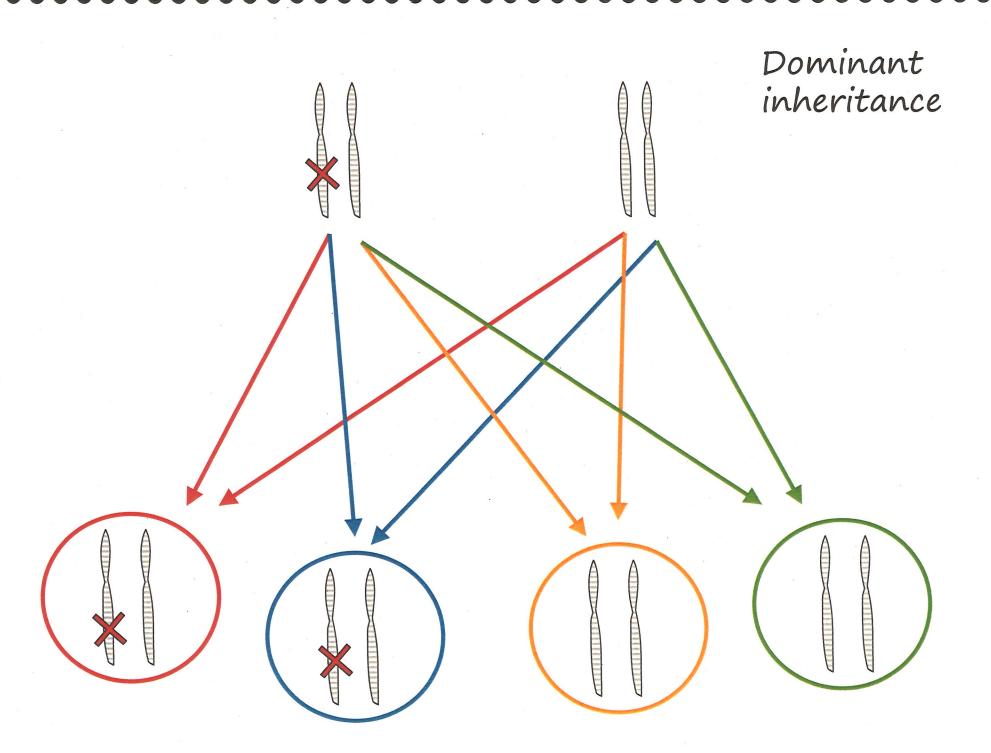
Mitochondrial DNA

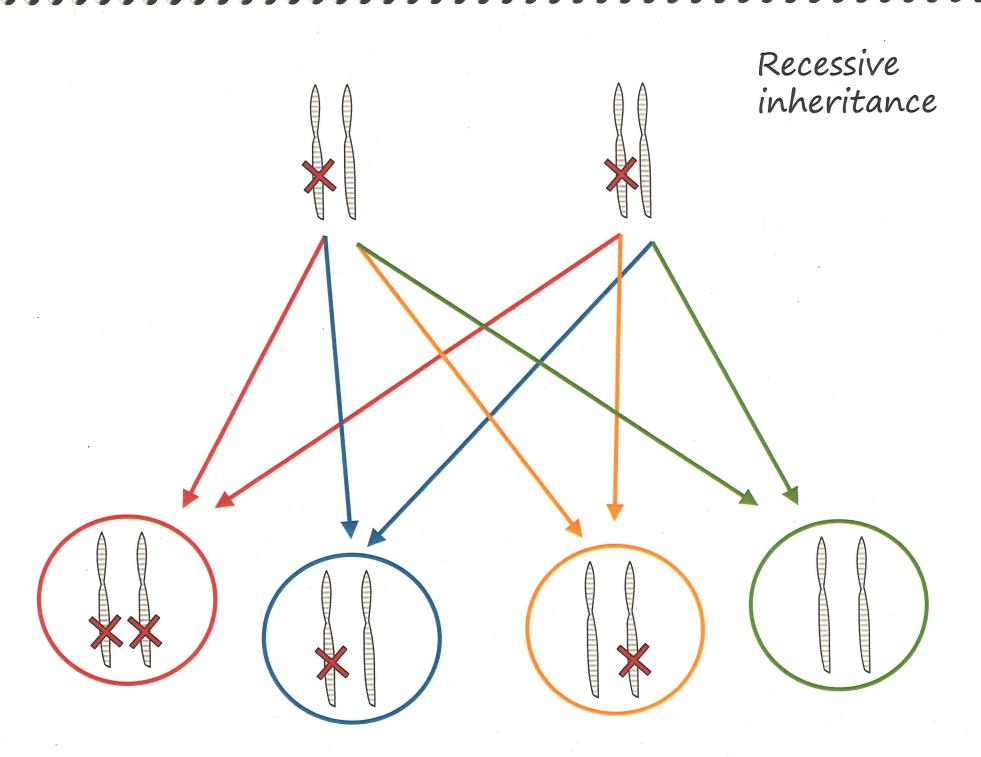


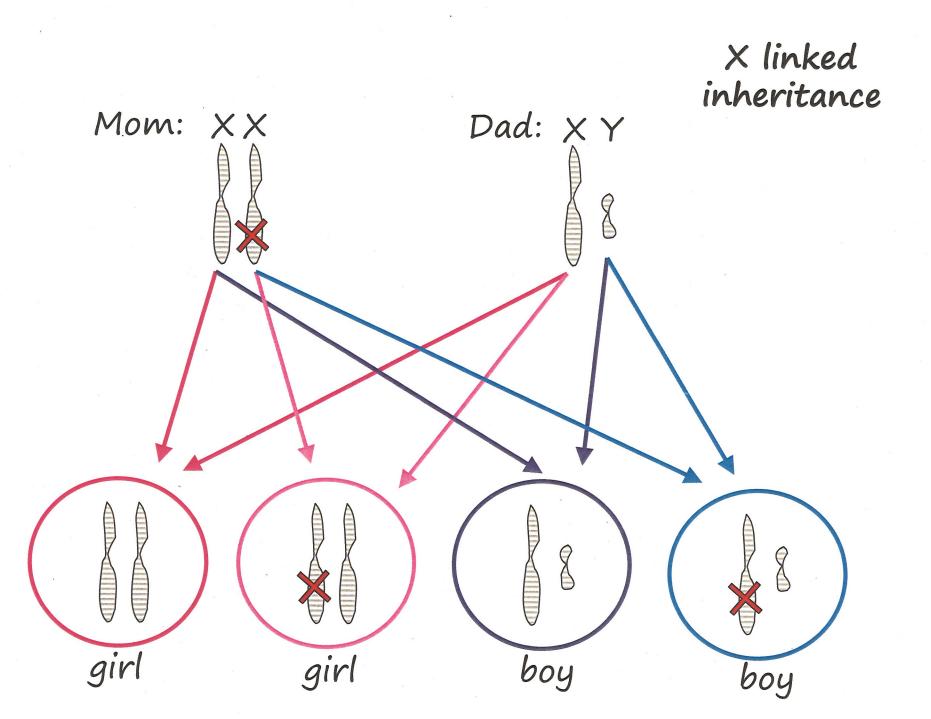
Each color represents a different gene along the mtDNA sequence

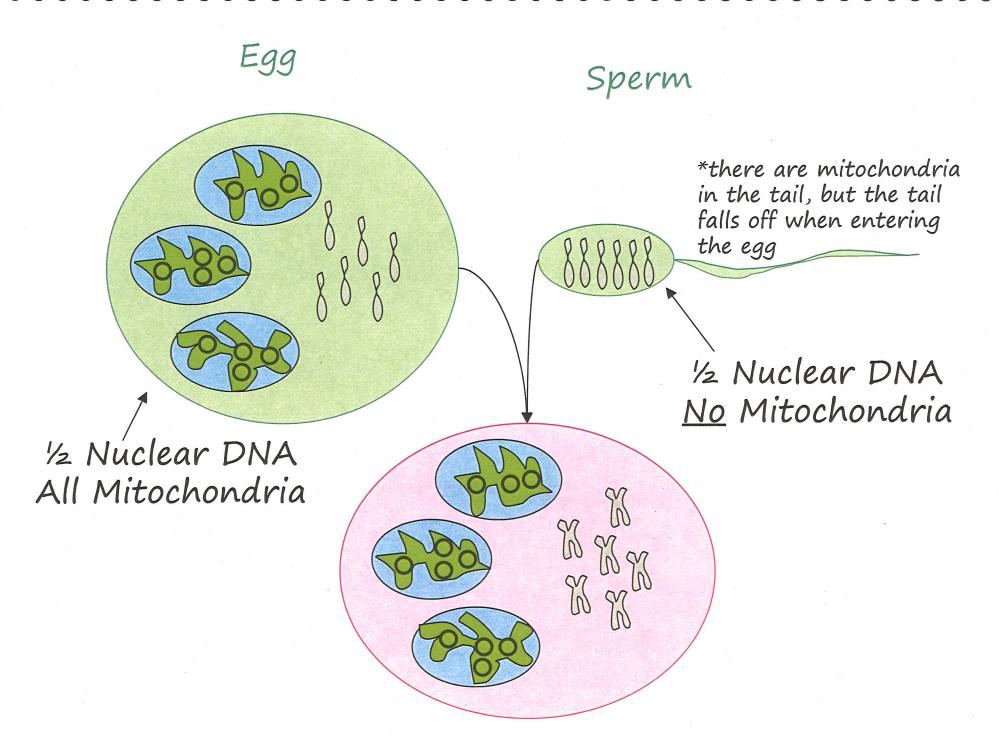
There is a mutation in a gene on chromosome 13 That gene makes a mitochondrial protein.











DNA Replicates Mito is ready to divide

Fission Begins DNA is distributed randomly

