Name:			
Blk:	_Date:		

Science 9 Notes on Meiosis Continued

Chromosome mutations sometimes occur spontaneously: Chromosome changes during meiosis can cause changes in the Parts of chromosomes can be: 3. 4. A. Part of the chromosome can be inverted. A. Part of the chromosome can be lost or deleted. D. Part of the chromosome can be duplicated. D. Part of the chromosome can move to a different can be duplicated.

Figure 6.8 Several types of chromosome mutations

	tations can occur because of mutagens: changes, sometimes leading to genetic disease or
death, can be	cause by such as or
Failed separation	n of chromosomes in meiosis has serious
consequences:	
	· · · · · · · · · · · · · · · · · · ·
Failed separati	on means that a gamete may end up with
chromosome o	on means that a gamete may end up with r of a chromosome. Zygotes that se gametes rarely survive, and if they do, they will

Genetic Disorders: The chromosomes of an individual can be studied

By using a ______, geneticists can view an individual's chromosomes.

Certain genetic disorders or syndromes occur when there are specific chromosomes extra or missing

_____ usually occurs when there is an extra ____ chromosome.

