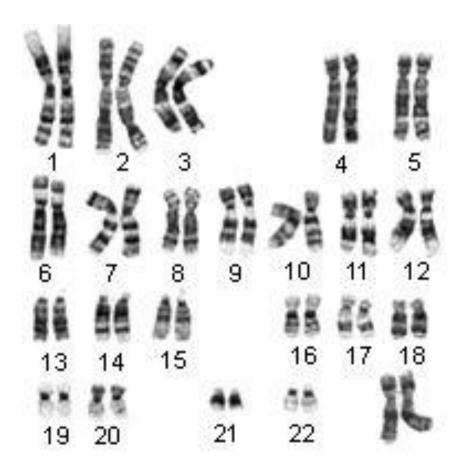
me:		D	ate:	Hour:		
		CHROMOSO	OME QUIZ			
1.	A human being has	of autosomes and	of sex o	hromosomes		
	a. 23 pairs, 1 pair					
	b. 22 pairs, 1 pair					
	c. 23 pairs, 23 pairs					
	d. 2 pairs, 2 pairs					
2.	Each chromosome consists of two identical:					
	a. genes					
	b. nuclei					
	c. chromatids					
	d. Bases					
3.	If a person receives an X	and a Y chromosome, th	nat person is	<b>:</b> :		
	a. female					
	b. male					
	c. red eyed					
	d. mentally challeng	ged				
4.	A picture of a person's ch	romosomes is called a(	n):			
	a. karyotype					
	b. syndrome					
	c. chromatin					
	d. Fingerprint					
5.	The point at which two chromatids of a chromosome connect is called?					
	a. Histone					
	b. Spidle Fiber					
	c. Centromere					
	d. Nucleosome					
6.	DNA that makes up a chr	omosome is tightly coile	ed around p	roteins. What is the name given to the		
	proteins?					
	a. Histones					
	b. Hemoglobin					
	c. Keritin					

d. Antibodies

## Using the karyotype below answer the questions 7-8.

- 7. Is this individual male or female?
  - a. Male
  - b. Female
- 8. How many TOTAL (NOT PAIRS) of chromosomes are in this karyotype?
  - a. 23
  - b. 22
  - c. 47
  - d. 46



Name:		_Date:	Hour:
<u>ANSW</u>	ER KEY		
1.	В		
2.			
3.	В		
4.	Α		
5.	c		
6.	Α		
7.	В		
8.	D		
	Questions Extra Credit the following genetic disorder with the chromos	some ahn	ormality (abnormal condition)
iviateii	the following genetic disorder with the chromos	Some abn	ormancy (abnormal condition).
	Cri du Crat	A.	Caused by a deletion in the #5 chromosome
	Turner's Syndrome		Extra X chromosome (XXY), affects males causing them to have less muscular body, grow little facial hair, and are infertile
	Klinefelter Syndrome		Also known as trisomy 21, a genetic disorder caused by the presence of all or part of a third copy of chromosome 21
	Williams Syndrome		Missing or incomplete X chromosome, affects girls causing them to be shorter than normal and affects puberty
	Down's Syndrome		Missing genetic material from #7 chromosome causing problems with circulatory system and heart defects