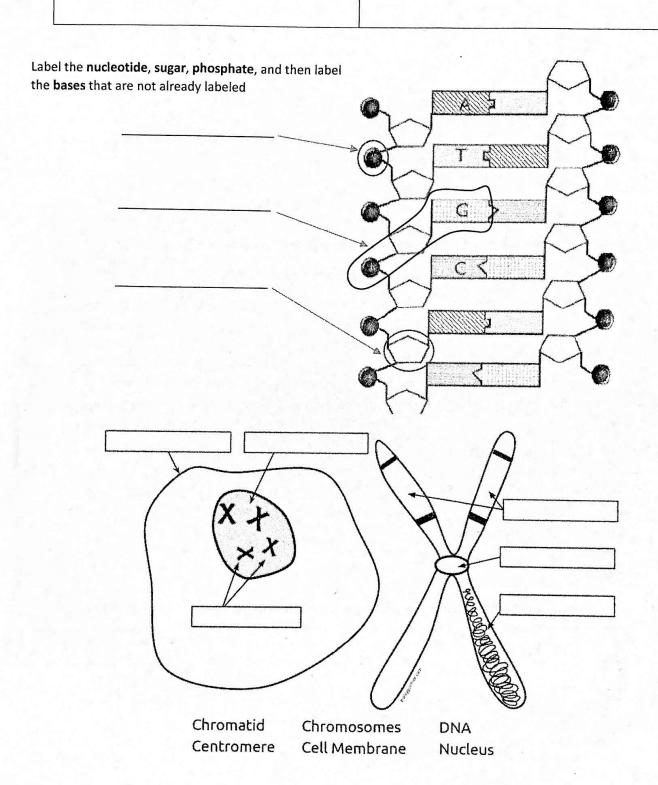
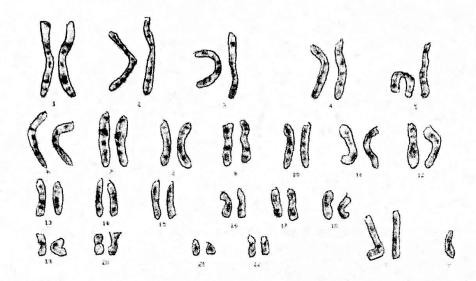
In the space belo		pes, and Cell Cycle Review				
-						
	n the space below, draw a nucleotide and label the phosphate group, the nitrogen-containing base, and the deoxyribose sugar.					
Fill in the blank with	the word or phrase th	at best completes the sentence.				
		esent in DNA?				
3. All nucleotides	have two parts that are	the same: the deoxyribose sugar and , is different.				
. DNA base pairing results		uniform width. A sugarphosphate backbone is outside). Circle the best choice	on			
6) The base pairing r	ules of DNA relate to	Chargaff's rules. The base pairing				
rules state that A o	only pairs with T and C	only pairs with G. Therefore, the				
amount of A will b		he amount of T, and the amount of C				
will be	the amount of (3.				
a. less than						
b. more than						
c. equal to						
Complete the table to	describe each scientist's	contribution to solving the structure of DNA				
Scient	Scientist Contribution					
Rosalind Fi	ranklin					
	MINOS NO. 55.51.5					

Name:	Period:
James Watson and Francis Crick	



Name:			
Mame:			

Period:		



Use the image above to answer the following questions:

What is the picture on the above called?______

How many total chromosomes do you see?_____

How many total autosomes are there?_____

How many total sex chromosomes are there?_____

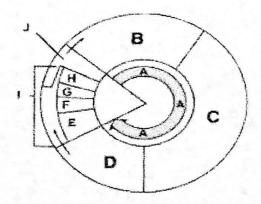
Is the organism male or female?_____

Does this person have a genetic disorder? Yes or No

If yes, how do you know?

Directions: Match the description with the part of the cell cycle:

Name:	Period:



Label the parts of the cell cycle diagram and briefly describe what is occurring.

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Vocabulary Words to Study: DNA, Chromosomes, Centromere, Double Helix, Nucleus, Proteins, Genes, Karyotype, Autosomes, Sex Chromosomes, Mutations, Genetic Disorders, Base Pair Rule, Eukaryotic, Chromatin, # of chromosomes, homologous pairs, Haploid, Diploid, Interphase, Mitosis, Prophase, Metaphase, Anaphase, Telophase, Cytokinesis, Cancer

Remember what closs and does not cause the cows to have strong muscles!