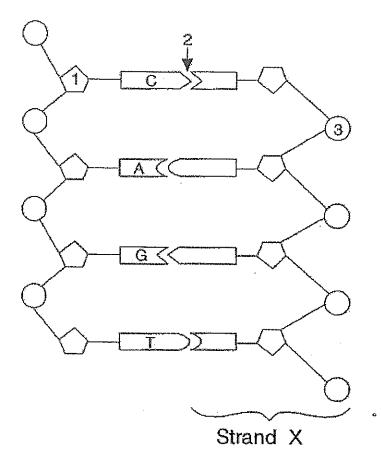
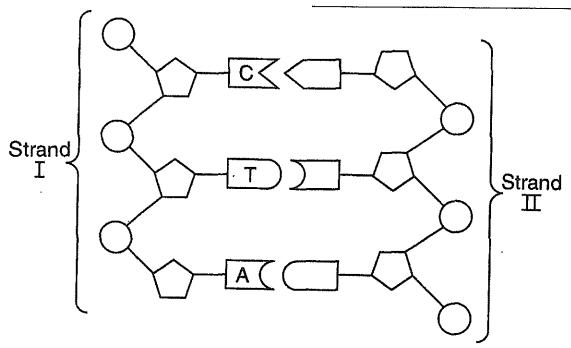
A	Name: DNA, DNA Replication, Mitos			
<u> </u>	Date:			
	,			
٠.				
	1) What are the elements found in	nucleic acids:,,		
	,,	and sometimes		
	The basic building block for a n	ucleic acid is:		
	3) A single nucleotide is a made u	p of:,		
	and	•		
	4) In the space below, draw a nuc	leotide.		
	•	••		
	5) Write out the full name for DNA.	· ·		
	•			
	6) What is a gene?			
		mes located?		
	8) DNA can be found in what two o	· ·		
	9) What two scientists established	the structure of DNA?		
	10) What is the shape of DNA	?		
	11) What are the sides of the	DNA ladder made of?		
	12) What are the "rungs" of the	ne DNA ladder made of?		
•	13) What sugar is found in DN	IA?		

• •

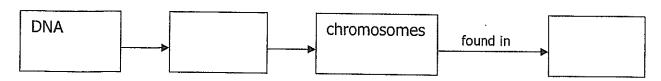
15) What is the base sequence of Strand X?



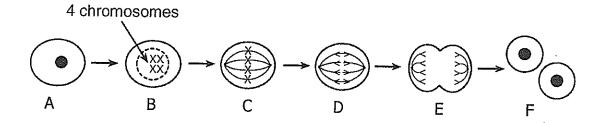
19. What type of molecule is shown below?



- 19. What is the basic unit of structure for this molecule? What does it consist of?
- 20. What does the circle represent? The pentagon?
- 21. Label the missing nitrogenous bases.
- 22. What type of bond holds the bases together? Why is it an advantage for it to be weak?
- 23. Where in the cell do we find this type of molecule?
- 24. Fill in the missing boxes.



25 Identify each of the steps of mitosis in the diagrams below. For each process, describe what occurs in the cell.



A –	•

B	

	•	 	
C –			

	•
D –	

E –	

26. How do the cells in stage F compare to the cell in stage A?	

