DNA and Replication Worksheet	Name		Block _	Date
Label the diagram. Use these choices: I hydrogen bonds, base pair.	nucleotide, d	leoxyribose, phospho	ite group,	nitrogen base,
1			Certification of the second	
2			- 4.	
3				
Complete each statement.	•			
7, guanine (G), (cytosine (C) ,	and thymine (T) are	the four _	
in DNA.				
8. In DNA,alv	•	_		
9. The sequence of		_		_
10. The process of	produc	es a new copy of an c	rganism's	genetic information,
which is passed on to a new cell.				
The double-coiled shape of DNA is	called a			
12. Put the steps of DNA Replication	in the corr	ect order.		
Spare nucleotides (in the nucleotides) the break. Each repairing nu		-		broken rungs' to repair
As each 'broken rung' is repa 'repairing' is really the proces			identical	strands of DNA. The
The 2 bases forming each ru passes along the strands, 'unz	•	lder' snap apart. This	is caused	by an enzyme that

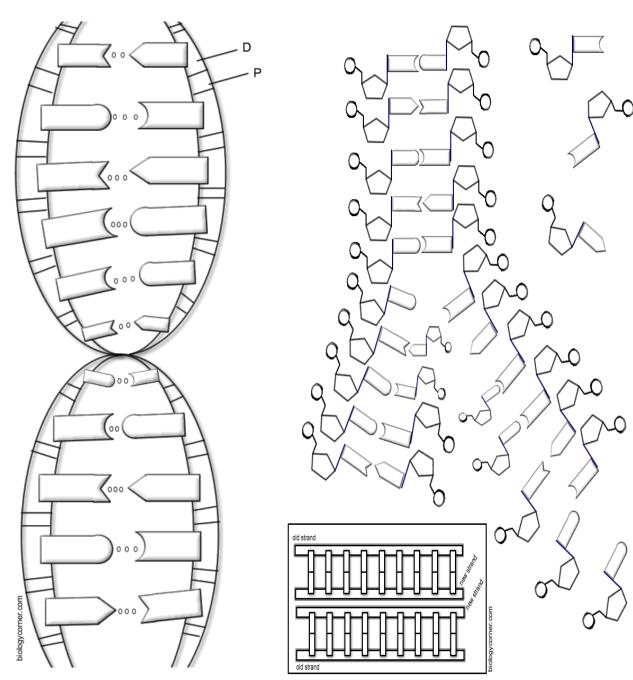
Color the thymines orange.

Color the guanines purple.

Color the adenines green. Color the cytosines yellow.

DNA

REPLICATON



- 13. What is the goal of replication?
- 14. What type of bond is broken when the DNA becomes "unzipped?"
- 15. During DNA replication, what sequence on complementary base pairs will be match to the following sequence: ATACGCGTTA