

## EBIO 1210 : DNA & DNA REPLICATION TEST QUESTIONS WITH ACCURATE SOLUTIONS

An old DNA strand is used as a \_\_\_\_\_ for the assembly of a new DNA strand. --

Answer ✓✓ template (An old DNA strand is used as a template for the synthesis of a complementary new strand.)

DNA replication is said to be semiconservative. What does this mean? -- Answer ✓✓  
Each new double helix consists of one old and one new strand.

In an organism's DNA, what makes one nucleotide different from another? -- Answer  
✓✓ The base

What holds the two strands of a DNA molecule together? -- Answer ✓✓ Hydrogen  
bonds between complementary base pairs

The percentage of the adenine (A) nucleotide in a particular organism's genome is 30%.  
The percentages of the other nucleotides must be approximately -- Answer ✓✓ 30% T,  
20% G, 20% C

During DNA replication -- Answer ✓✓ -each strand can act as a template for the  
replication of the molecule

- the two strands of the original DNA molecule must be separated
- enzymes facilitate all the steps involved
- each of the original two strands of DNA will wind up in a different chromatid

DNA replication in your cells begins at -- Answer ✓✓ origins of replication.

# Dna Replication Test Questions And Answers

**William Scovell**



## **Dna Replication Test Questions And Answers:**

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