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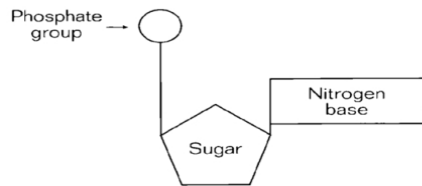
DNA and RNA Quiz

1) Molecules of DNA are composed of long chains of

- a. amino acids.
- b. monosaccharides.
- c. fatty acids.
- d. nucleotides.

2) Which of the following is not part of a molecule of DNA?

- a. deoxyribose
- b. nitrogen base
- c. phosphate
- d. ribose



3) During DNA replication, a complementary strand of DNA is made for each original DNA strand. The amino acid sequence of the mRNA is:

Amino Acid Sequence:

6) During translation,

- a. proteins are synthesized.
- b. RNA is produced.
- c. DNA is replicated.
- d. transcription occurs.

7) Each nucleotide triplet in mRNA that specifies a particular amino acid is called a(n)

- a. mutagen.
- b. codon.
- c. anticodon.
- d. intron.

8) Each of the following is a type of RNA except

- a. carrier RNA.
- b. ribosomal RNA.
- c. messenger RNA.
- d. transfer RNA.

9) Because DNA replication is semi-conservative, it results in two DNA molecules,

- a. each with two new strands.
- b. one with two new strands and the other with two original strands.