

DNA Structure

What are the three main parts of the Nucleotide Chain?

- a.
- b.
- c.

What four things are different about RNA and DNA?

- a)
- b)
- c)

What molecular bonds hold the two nucleotide chains together?

Packaging DNA into chromosomes

DNA is wrapped around special proteins called:
Histone proteins plus DNA coil up to form:
Nucleosomes pack together to form a larger coil called:

Is DNA always packed tightly into Chromatin?

DNA Replication

In general, there are three steps to DNA replication. What are they?

- a. Strand separation:

- b. Complementary base pairing:.

- c. Polymerization:

Semi-conservative replication:

What is needed to start adding new bases to the nucleotide chain?

DNA synthesis can only proceed in one direction. What direction?

What fragments are used for the discontinuous synthesis of DNA in the 3' to 5' direction?