

Source: [\[KBhBIO101NucleicAcidsDNARNA\]](#)

1 | DNA Structures

1.1 | DNA double helix

The unwrapped, raw DNA pre-bundling or formation of any structures.

1.2 | Nucleosomes

A stack of 2 *histone* groups to create a spool of 8 histone proteins wrapping DNA

1.3 | Histones

Coiler proteins that DNA wraps around to form more advanced structures

- Each group of histones contains 4 parts (hence 4 (per group) x 2 (groups) = 8 histones)
 - H3, H4, H2a, H2b are the 4 wrapping proteins
 - H1 is the histone that seals the group of 4 together

1.4 | Chromatin

Wrapping nucleosomes into a large, fibrous structure

1.5 | Chromosome**: the entangling 2 chromatin together. This is the structure that is split in half during cell replication