

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

1 | DNA Structures

- **DNA double helix:** the unwrapped, raw DNA pre-bundling or formation of any structures.
- **Nucleosomes:** a stack of 2 *histone* groups to create a spool of 8 histone proteins wrapping DNA
 - 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
- **Chromatin:** wrapping nucleosomes into a large, fibrous structure
- **Chromosome:** the entangling multiple chromatin together