

Why does the DNA stay coiled around the histone proteins?

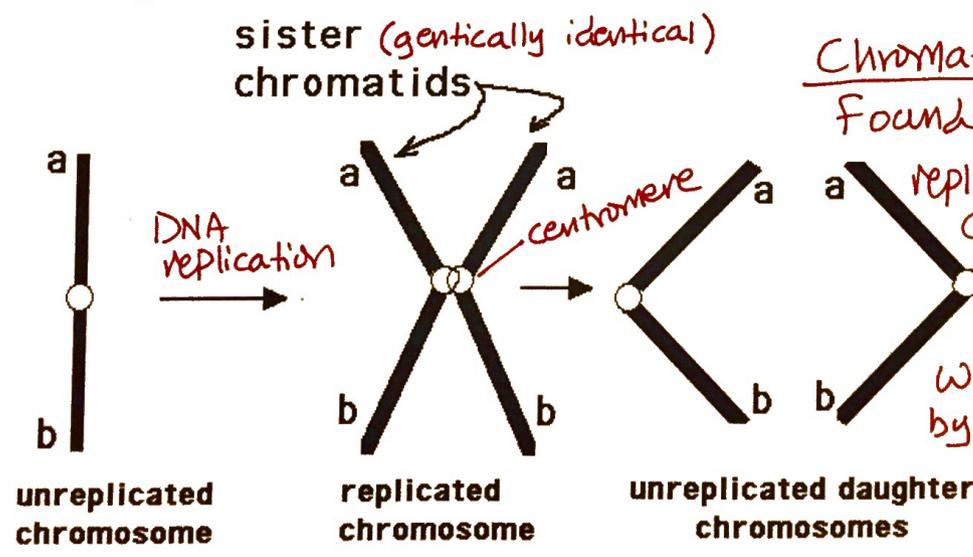
DNA is Negatively charged.

Amino Acids in the histone proteins that are positively charged.

- Basic unit of DNA packaging (in Eukaryotes)
- Two turns of DNA wrapped around a core of 8 histone proteins. (4 types of histone proteins - 2 of each type)
- Histone Protein 1 : bind the DNA to the 8 core histone proteins
- Linker DNA : Joins adjacent nucleosomes together.

Chromatin - DNA that is NOT supercoiled

Chromosome - Supercoiled DNA



Chromatids - Found only in replicated chromosomes. Only called chromatids when attached by a centromere to a sister chromatid.