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a chromosome is a package of dna with part or all of the genetic material of an organism in most chromosomes the very long thin dna fibers are coated with nucleosome forming packaging proteins in eukaryotic cells the most important of these proteins are the histones

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a chromosome is a dna molecule that contains the genetic information for an organism the chromosomal structure is composed of the organism s dna and special proteins to form the dense coiled architecture the chromosome s tertiary structure is a crucial component in transcription regulation and cellular replication and division go to

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