Levels of Chromatin Packing

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short region of DNA double helix

“beads-on-a-string” form of chromatin

30-nm chromatin fiber of packed nucleosomes

section of chromosome in an extended form

condensed section of chromosome

etire mitotic chromosome

NET RESULT: EACH DNA MOLECULE HAS BEEN PACKAGED INTO A MITOTIC CHROMOSOME THAT IS 50,000x SHORTER THAN ITS EXTENDED LENGTH