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Q5(b)**Distinguishing features of nuclear and mitochondrial DNA.**

UPSC Civil Services Mains 2026 · Anthropology GS 1 · 10 marks · The biological basis of Life

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1.7 The biological basis of Life: The Cell, DNA structure and replication, Protein Synthesis, Gene, Mutation, Chromosomes, and Cell Division.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round.

Mitochondrial Genome Size

Consists of 16,569 base pairs encoding 37 genes essential for mitochondrial function.

Maternal Inheritance

mtDNA is passed exclusively from mother to offspring, bypassing paternal contribution.

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