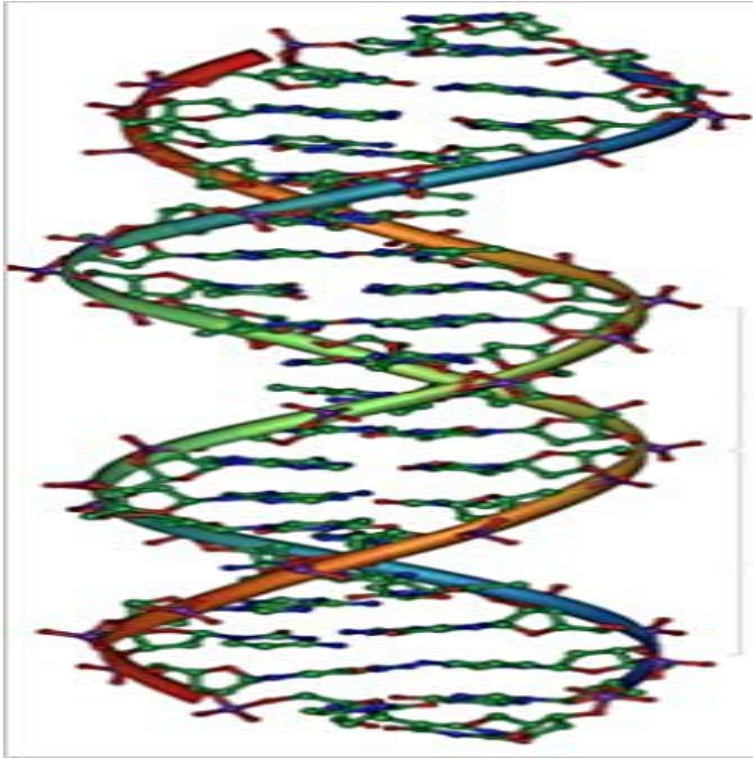


The Human Cell



A readable survey of the human cell, 8200 words. It describes the cell design, its contents and its functions. Described are the nucleus, mitochondria, ribosomes, chromosomes and the genetic code, genes and the human genome, mutations, sex chromosomes, cell division by mitosis and meiosis, enzymes, RNA and protein synthesis, fertilization, and the bacteria that inhabit the body. Included are some surprising numbers: 60 trillion cells in humans. In the cells chromosomes are 20,000 to 25,000 genes and potential information content that could hold all 30 volumes of the Encyclopedia Britannica, three or four times over. In each cell a million enzymes and a billion ATP molecules. In each eye 126 million photo receptors (rods and cones), described as an example of the many types of specialized cells in the human body..

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