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DNA expression occurs in two steps: RNA structure. 1. how does genetic information get from nucleus to cytoplasm? there are as many kinds of mRNA as genes 2. what is relationship . DNA structure is often divided into four different levels primary, secondary, tertiary quaternary. 1. Deoxyribose pentose sugar) 2. Base different ones) 3. Phosphate. A chemical bond that . DNA is a perfect illustration of function following form (structure dictates function). DNA polymerases are first and foremost of replication enzymes. Principle information molecule in . Aug 3, · The flow of information from DNA to RNA to protein is termed the “central dogma” of molecular biology (Fig.) and is descriptive. of all organisms, with the exception of some viruses that have RNA as the repository of their genetic information. FIGURE The “central dogma” of molecular biology. DNA Structure Lippincott Discovery. DNA structure DNA is made up of molecules called nucleotides. Each nucleotide contains a phosphate group, a sugar group and a nitrogen base. The four types of nitrogen bases are adenine (A), thymine (T), guanine (G) and cytosine (C). The order of these bases is what determines DNA's. DNA AND ITS STRUCTURE, FUNCTION, TYPES, MODES OF REPLICATION AND REPAIR. The discovery that DNA is the prime genetic molecule, carrying all the hereditary information within chromosomes, immediately had its attention focused on its structure. It was hoped that knowledge of the structure would reveal how DNA carries the genetic messages.