Structure of DNA

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Nucleus -surrounded by the nuclear membrane which allows materials (RNA) to pass in/out of the nucleus. - contains chromosomes that direct all the activities of the rell. Chromosomes - made of DNA (deoxyribonucleis acid) - DNA is a long molecule shaped like a twisted ladder - DNA is made of 2 strands of smaller molecules called nucleotides - sides of the DNA are Sugar and phosphate molecules - the rungs of the ladder are made of pairs of hitrogenous bases, one from each of the strands -each nudestide has 1 of the 4 bases: (A) adenine = thymine (T)(6) guarine = cytosine (C) - each nucleotide has 1 of these bases connected to a sugar and phosphate - DNA has the ability to replicate (COPY) itsey.