

DNA - The Double Helix

Recall that the **nucleus** is a small spherical, dense body in a cell. It is often called the "control center" because it controls all the activities of the cell including cell reproduction, and heredity. **Chromosomes** are microscopic, threadlike strands composed of the chemical **DNA** (short for deoxyribonucleic acid). In simple terms, DNA controls the production of **proteins** within the cell. These proteins in turn, form the structural units of cells and control all chemical processes within the cell. Think of proteins as the building blocks for an organism, proteins make up your skin, your hair, and parts of individual cells. The proteins that are made largely determine how you look. The proteins that will be made for your body are determined by the **sequence of DNA** in the nucleus.

What important polymer is locat	ed in the nucleu	s?
is the instruction	ns for making a	cell's
Chromosomes are composed codes for a particular protein, whear it commonly referred to as eyes. Meanwhile, DNA is the chamade of. DNA is called a nucleic nucleus. We now know that DNA the mitochondria and chloroplast actually controls the cell's working.	which in turn code the gene for be emical that gene c acid because i A is also found in ts. It is the DN	es for a trait . Hence you aldness or the gene for blue es and chromosomes are t was first found in the n some organelles such as
on chromosomes code	for specific	in a cell.
DNA is also found in	and	·

In 1953, **James Watson** and **Francis Crick** established the structure of DNA. The shape of DNA is a double helix, which is like a twisted ladder. The sides of the ladder are made of alternating sugar and phosphate

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