

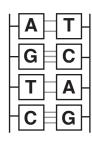
DNA is the molecule that stores the genetic information of a cell. It is found in all living things. DNA is made up of nucleotides that bond together to form a double helix, which looks like a spiral staircase.

A nucleotide is made up of two parts: (1) a sugar-phosphate backbone and (2) a base. There are four types of bases - A, T, C, and G - and the base determines which type of nucleotide it is.

When the double helix assembles, each base forms hydrogen bonds with another complementary base, making a pair. The bases pair in a predictable way: A always pairs with T, and C always pairs with G.These base pairs make up the "steps" of the staircase, while the sugar-phosphate backbone forms the "railings."



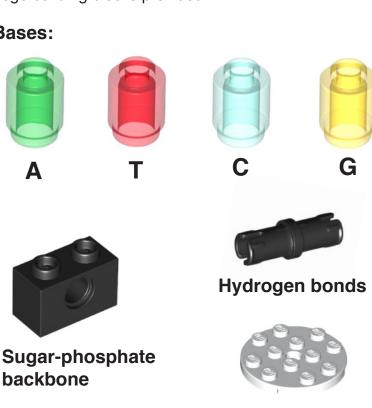




## LEGO CHALLENGE

Now you try to assemble a DNA double helix out of the Lego building blocks provided:

## Bases:



**Building platform** 

