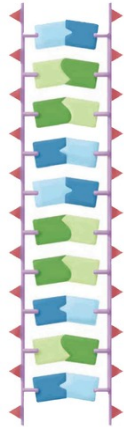
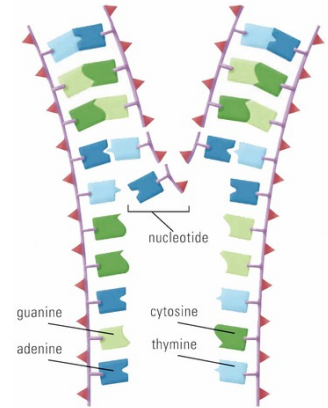


1. **DNA Molecule complete**



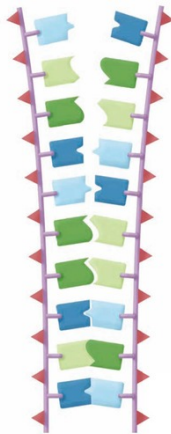
Double helix showing nucleotides. There are four types of bases: guanine which only pairs with cytosine and adenine with only pairs with thymine.

4. **New string of nucleotides connect to each strand**



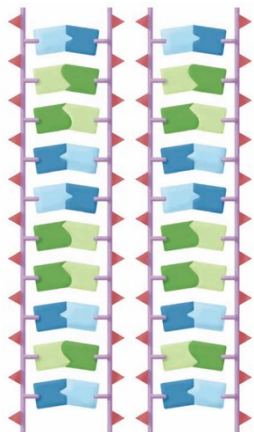
Nucleotides made up of a sugar, a phosphate and a base connect to their complimentary nucleotide.

2. **DNA Molecule untwisted and unzipping**



The double helix separates where the bases connect at the center of the strand.

3. **Each half stand of DNA now has a complete set of complimentary nucleotides.**



Each new strand is usually identical to the original strand. Shortly after this mitosis can begin.