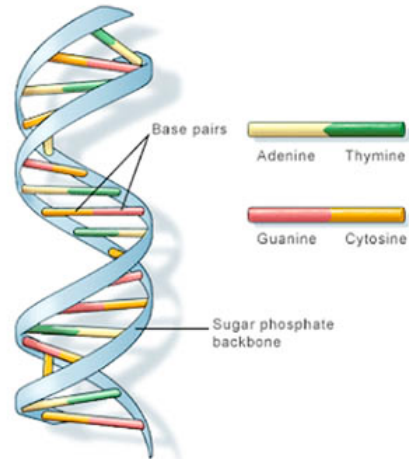


## What is DNA?

For this week's project you will research the structure and function of DNA. You will create a document that should include the following information.



- Title your project DNA and type each person's name directly below it.
- What does DNA stand for?
- What is the difference between the sugar in DNA and the sugar in RNA?
- Describe of one functional subunit of the DNA molecule (nucleotide) and the name each of the four bases found in a DNA molecule. Indicate which are purines and which are pyrimidines and what each means.
- Which base is NOT found in DNA but is found in RNA?
- A picture of a DNA molecule with a complete description including where it is found.
- What type of bond holds the two strands of DNA together?
- Name the scientists who get most of the credit for discovering the structure of DNA. **Include a picture of the two men.**
- Who did they rip off and what technique did she use to help them in their discovery?
- Describe what a karyotype is and **include a picture.** Be sure to include information about the person, including their sex and if the karyotype shows any genetic discrepancies.

**DNA Pic-** "HowStuffWorks "DNA Structure"" *HowStuffWorks "Science"* Web. 01 Oct. 2011. <<http://science.howstuffworks.com/environmental/life/cellular-microscopic/dna1.htm>>.