**Structure of DNA:** Deoxyribonucleic acid

Structure:

1. Double Helix= 2 stranded spiral
2. Polymer: its monomer is called a nucleotide
3. Nucleotides are composed of 3 things:
   1. Sugar= deoxyribose
   2. Phosphate group, PO4
   3. Nitrogenous base-
      1. Adenine, A
      2. Thymine, T
      3. Cytosine, C
      4. Guanine, G
4. “Backbone”= repeating/alternating sugar-phosphate (s-p-s-p-s-p)
5. “Rungs”= base pairing bonded by hydrogen bond (remember, H bonds not strong)
   1. Complimentary base pairing:

A always with T (2 H bonds)

C always with G (3 H bonds)

* 1. Bases attach to the sugar