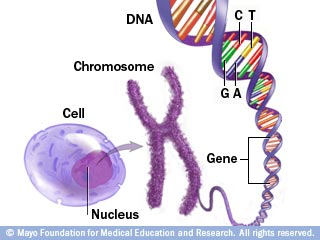
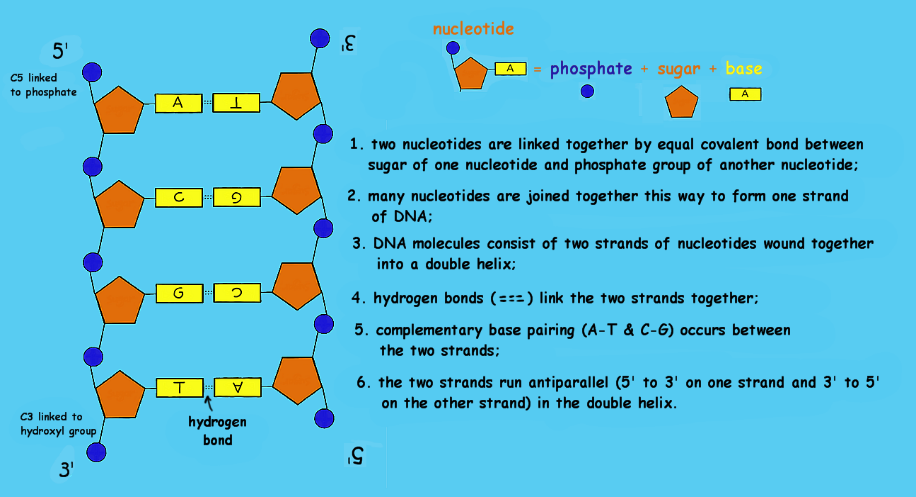
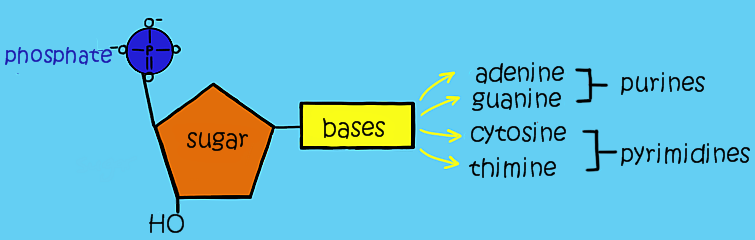
DNA Structure

* DNA stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and makes up the

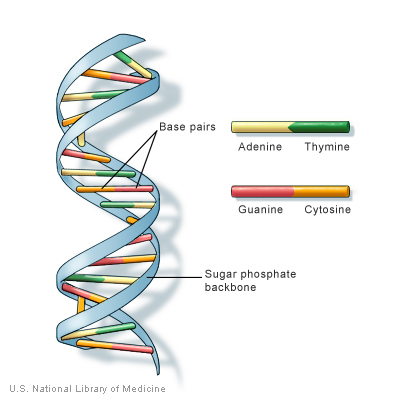
chromosomes in the nucleus of ever cell.



* DNA controls what kind of cell a cell will become
  + Ex) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* DNA controls what kind of organism something is
  + Ex) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* DNA controls what the organism will look like
  + Makes up the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* DNA is made up of smaller parts called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Each nucleotide is made out of
    - 1 sugar called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - 1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ group
    - 1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ base

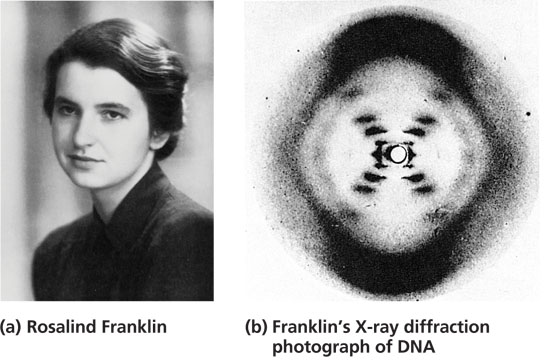


* Nucleotides connect end to end by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ bonds along their “sugar-phosphate backbone”
  + These bonds are very strong
* Two separate strands come together and connect by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ bonds between their bases
  + These bonds are very \_\_\_\_\_\_\_\_\_\_\_\_



Rosalind Franklin used a process called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to get a picture of DNA

* James Watson and Francis Crick build a model and found out that DNA was structured like a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



* Nitrogenous bases come in pairs
  + Adenine 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and Guanine 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* A & G are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ T & C are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Chargaff’s Rule
  + Only A & T can bond with one another
  + Only G & C can bond with one another