

Chapter 11: DNA: The Molecule of Heredity

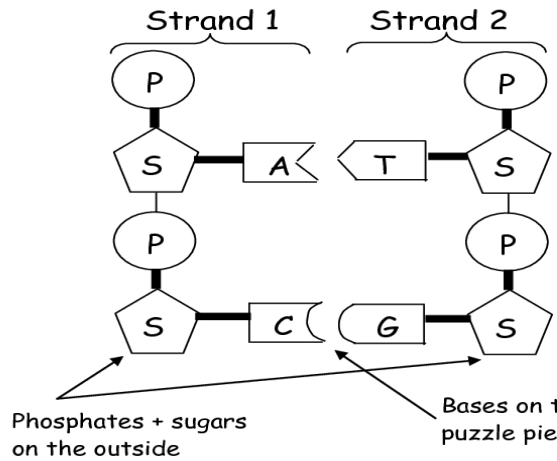
DNA

- Is a type of nucleic acid
- What chromosomes (and genes) are made of repeating _____ subunits
- 1 nucleotide looks like:




4 types: _____ (A)
 _____ (G)
 _____ (C)
 _____ (T)


- 2 strands so bases can pair up
 - A binds T only
 - C binds G only



Remember



DNA is like an _____



Phosphates + sugars = cookies
 Nitrogen Bases = cream filling

- Shape is a double helix
 - Double helix: 2 spirals wound around each other
 - Rosalind Franklin and Maurice Wilkins took an X-ray photo of DNA
 - James Watson and Francis Crick interpreted the photo and discovered the double helix structure (They won the Nobel Prize)