Unit 6 DNA Structure (pgs. 329-331)

RECALL:

2. Nucleic Acids = Deoxyribonucleic Acid (DNA) & Ribonucleic Acid (RNA)

Building blocks

Subunits of nucleic acids = Nucleotides

Job/Function: Store & Communicate genetic information

What do nucleotides look like?

*Nucleotides have 3 parts:
1) **Sugar** molecule
2) **Phosphate** molecule
3) A molecule that contains nitrogen called a **Base**

![Diagram of a nucleotide with sugar, phosphate, and nitrogen base]

DNA = deoxyribose
RNA = ribose
How many kinds of nucleotides are there?

* There are 4 kinds of nucleotides because there are four kinds of bases:

1) Adenine (A) larger: PURINES
2) Guanine (G)
3) Thymine (T) smaller: PYRIMIDINES
4) Cytosine (C)

Complementary base pairing

Adenine ALWAYS bonds with Thymine

Guanine ALWAYS bonds with Cytosine