**NUCLEIC ACIDS**

1. **Two kinds:**
2. **RNA** (Ribonucleic Acid). In eukaryotic cells, found in:
3. **DNA** (Deoxyribonucleic Acid). In eukaryotic cells, found in:
4. **NUCLEOTIDES are the monomers that make up Nucleic Acids**. Each nucleotide contains 3 subunits (one from each of the following):
5. **SUBUNITS OF NUCLEOTIDES:** 
   1. **Phosphate group** (aka Phosphoric Acid)
   2. **5-carbon sugars:**

ii. Deoxyribose (in DNA):

* + 1. Ribose (in RNA):
  1. **Bases (or “Nitrogen Bases”):**

*Pyrimidines:*

a.Cytosine: b.Thymine: c. Uracil:

*Purines:*

a. Adenine: b. Guanine

**2. EXAMPLES OF NUCELOTIDES:**

b) **Deoxyribonucleotides (make up DNA)**

1. Adenine deoxyribonucleotide
2. Guanine deoxyribonucleotide
3. Cytosine deoxyribonucleotide
4. Thymine deoxyribonucleotide
5. **Ribonucleotides (make up RNA)**
6. Adenine Ribonucleotide
7. Guanine ribonucleotide
8. Cytosine Ribonucleotide
9. Uracil Ribonucleotide

