2/9/2012

DNA:

* Deoxyribonucleic acid
* Located in the nucleus of Eukaryotic cells and in cytoplasm of bacteria cells.
* Largest molecule in the universe (made up of 2 strands of nucleotides closely bound together)
* DNA- A,C,G,T
* A=T G=C

Chargaff’s rules

Adenine – Thymine

Guanine- cytosine

% of G and C almost equal A and T

* Sequence of DNA is read 3 bases at a time.
* Diagram page 291

RNA:

* Ribonucleic acid
* Fraction of the size of a DNA molecule
* Single stranded

m RNA- transfer genetic info from chromosomes

t RNA- transfer RNA (Translate genetic code into amino acid code of proteins)

r RNA- ribosomal RNA (Translate genetic code into amino acid code of proteins)

* RNA= A,C,G, U (uracil)
* A=U G=C