

TERMINOLOGY REVIEW

TERM	DESCRIPTION
Anticodon	The triplet of bases on tRNA
Chromatin network	Tangled network of chromosomes located within the nucleus
Codon	The triplet of three consecutive bases on mRNA
Cytosine	The base that pairs off with guanine
DNA	Nucleic acid that is a constituent of chromosomes
DNA Replication	Production of identical copies of DNA
Double helix	Natural shape of a DNA molecule
Extra-nuclear DNA	DNA that only occurs outside the nucleus such as in mitochondria and chloroplasts
Gene	Segment of a chromosome that codes for a particular protein
Hydrogen bonds	Bonds by which base pairs are linked in DNA
Interphase	Phase of the cell cycle during which DNA replication occurs
Messenger RNA	Molecule containing information for protein synthesis in its codons

Non-coding DNA	Sections of DNA that do not carry a code for proteins
Nucleotide	Building blocks consisting of sugar, phosphate and nitrogen base
Nucleus	Site of DNA replication & transcription
Peptide Bond	Bond formed between two amino acids
Ribosome	Site of synthesis of proteins by the combination of amino acids
RNA	Single stranded nucleic acid
Template	Strand of DNA used to form either another strand of DNA or mRNA
Thymine	The base that pairs off with adenine in DNA
Transcription	Transfer of the coded message for protein synthesis from DNA onto mRNA
Transfer RNA	Molecule containing information for protein synthesis in its anti-codons
Translation	Part of protein synthesis from the time amino acids are assembled in a particular sequence