**Glossary – DNA & Proteins**

Bases

Nucleotides

Double helix

Hydrogen bond

DNA

RNA (all types)

Chromatin

Chromosome

Gene

Genome

Histone

Cytosol

Prokaryote

Eukaryote

Semi-conservative

DNA polymerase

Codon

Anti-codon

Coding strand

Template strand

Introns

Exons

Transcription

RNA Polymerase

Translation

Polypeptide

Amino acid

Primary structure

Secondary structure

Tertiary structure

Quaternary structure

Enzyme

Hormone

Receptor protein

Antibody

Specificity

Active site

Denature

Substrate

Inhibitor

Reactants

Products

Activation energy

Induced fit model

Phenotype

Genotype

Gene product

Gene expression

Transcription factor

Cellular differentiation

Methylation

Acetylation

Epigenetics

Cancer

Oncogenes

Tumor suppressor genes

Mutation (types)

Mutagens

Somatic cell

Germ cell (gamete)

PCR

Primers

Taq Polymerase

Electrophoresis

Electropherogram

DNA sequencing

DNA profiling (types)

Restriction enzyme

Restriction site

Sticky ends

Forensics

Plasmids

Vectors

DNA probes

Microinjection

Transgenic

Bacterial transformation

CRISPR