

| Term | Abbreviation |
|---|----------------------|
| Fatty acid | RCOOH |
| Amine group | NH ₂ |
| Carboxyl group | COOH |
| Side chain | R |
| Deoxyribonucleic acid | DNA |
| Ribonucleic acid | RNA |
| Adenosine triphosphate | ATP |
| Adenosine diphosphate | ADP |
| Inorganic phosphate group | P _i |
| Helper T cells | T _H cells |
| Cytotoxic T cells | T _c cells |
| Human Immunodeficiency Virus | HIV |
| Acquired Immune Deficiency Syndrome | AIDS |
| Enzyme-Linked Immunosorbent Assay | ELISA |
| Pulmonary Ventilation Rate | PVR |
| Cardiac Output | CO |
| transfer RNA | tRNA |
| ribosomal RNA | rRNA |
| messenger RNA | mRNA |
| Diversity | d |
| Ribulose biphosphate | RuBP |
| Glycerate 3-phosphate | GP |
| Nicotinamide adenine dinucleotide phosphate | NADP |
| Nicotinamide adenine dinucleotide | NAD |
| Gross primary production | GPP |
| Net primary production | NPP |

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WEBSITE CHAT Mon - Fri (6pm - 9pm)

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| Term | Abbreviation |
|---|--------------|
| Respiratory losses | R |
| "chemical energy lost to the environment in faeces and urine" | F |
| Chemical energy store in ingested food | I |
| Net production of consumers | N |
| Indoleacetic Acid | IAA |
| Sinoatrial Node | SAN |
| Atrioventricular Node | AVN |
| cyclic AMP | cAMP |
| Adenylate Cyclase | AC |
| Antidiuretic Hormone | ADH |
| Chi-squared | χ^2 |
| RNA interference | RNAi |
| Polymerase Chain Reaction | PCR |
| complementary DNA | cDNA |
| Genetically Modified | GM |
| Variable Number Tandem Repeats | VNTRs |

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AO1

“Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures”

This is the “recall” part of the course. These questions will test you on what you can remember. Names, definitions, descriptions and comparisons.

This will make up about 35% of the marks in your exams.

| Command Word | Description |
|---------------------|--|
| Annotate | Add a note or label to a graph, diagram or other drawing |
| Compare | Identify similarities and/or differences |
| Complete | Finish a task by adding to given information |
| Contrast | Identify differences |
| Define | Specify meaning |
| Describe | Give an account of |
| Discuss | Present key points |
| Distinguish | List the differences between different items |
| Draw | Produce a diagram |
| Give | Produce an answer from recall or from given information |
| Identify | Name or otherwise characterise |
| Label | Provide appropriate names on a diagram |
| List | State a number of features or points without further elaboration |
| Name | Identify using recognised technical terms |
| Outline | Set out main characteristics |



AO2

“Apply knowledge and understanding of scientific ideas, processes, techniques and procedures in a theoretical context, in a practical context and when handling qualitative & quantitative data.”

This is where all the big marks are! You will be asked to explain / give reasons for observations, calculate values using given data and apply your understanding of topics to, possibly, unfamiliar situations.

This will make up about 40% of the marks in your exams.

| Command Word | Description |
|---------------------|--|
| Apply | Put into effect in a recognised way |
| Calculate | Work out the value of something |
| Consider | Review and respond to given information |
| Deduce | Work out the answer from the information provided |
| Determine | Use given data or information to obtain the answer |
| Estimate | Assign an approximate value |
| Explain | Give reasons for |
| Show | Provide structured evidence to reach a conclusion |
| Sketch | Draw approximately |

**AO3**

“Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues, to make judgements and reach conclusions, and develop and refine practical design and procedures”

These kinds of questions are usually coupled with sets of data from investigations and practicals. Watch out for these in past papers and make a point of looking at the mark schemes for the kinds of things that they are looking for in the answers!

This will make up about 25% of the marks in your exams.

| Command Word | Description |
|---------------------|--|
| Develop | Take forward or build upon given information |
| Evaluate | Judge from available evidence |
| Explore | Investigate without preconceptions about the outcome |
| Justify | Support a case with evidence |
| Predict | Give a plausible outcome |
| Suggest | Present a possible case |