

Y13 Biology Mock 1 Revision List

YEAR 12 Topics

3.1 Biological molecules

- 3.1.1 Monomers and Polymers
- 3.1.2 Carbohydrates
- 3.1.3 Lipids
- 3.1.4 Proteins & Enzymes
- 3.1.5 Nucleic acids
- 3.1.6 ATP
- 3.1.7 Water
- 3.1.8 Inorganic ions

3.2 Cells

- 3.2.1 Cell structure
- 3.2.2 All cells arise from other cells
- 3.2.3 Transport across cell membranes
- 3.2.4 Cell recognition and the immune system

3.3 Organisms exchange substances with their environment

- 3.3.1 Surface area to volume ratio
- 3.3.2 Gas exchange
- 3.3.3 Digestion and absorption
- 3.3.4 Mass transport

3.4 Genetic information, variation and relationships between organisms

- 3.4.1 DNA, genes and chromosomes
- 3.4.2 Protein synthesis
- 3.4.4 Genetic diversity and adaptation
- 3.4.5 Species and taxonomy
- 3.4.6 Biodiversity within a community

YEAR 13 Topics

3.7 Genetics, populations, evolution and ecosystems

- 3.7.4 Populations in ecosystems

3.5 Energy transfers in and between organisms

- 3.5.1 Photosynthesis

Useful Revision sites

- A level Biology Help <https://www.youtube.com/c/AlevelBiologyHelp>
- Freesciencelessons https://www.youtube.com/channel/UCqbOeHaAUXw9II7sBVG3_bw
- Snap revise https://www.youtube.com/watch?v=eaNeyq4iEkw&list=PLkocNW0BSuEEMyVUCyaRPVj_cahCvixAr
- Miss Estruch <https://www.youtube.com/c/MissEstruch>
- Seneca <https://app.senecalearning.com/classroom/course/d0ce0c30-6417-11e8-8edc-d9cd1c890408/section/2d8f3a62-e194-4a24-85ed-222ce64c3cd7/session>