

**Overview:**

The final elements of A level Biology allow us to see the links between everything you have learnt thus far.

You will study

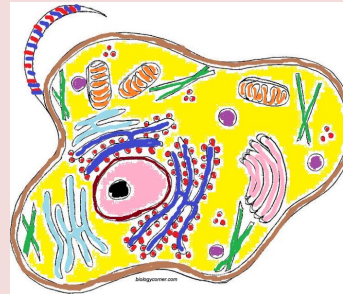
Term 1:**Response to stimuli and Bioenergetics**

R-S Students learn of the importance of responding to the environment to ensure safety. Includes nervous transmission and movement.

B This topic includes the biochemical pathways involved in photosynthesis and respiration

Year 13

Biology

**Term 3:****Homeostasis & the control of gene expression**

H This topic covers the various different homeostatic principles that govern the maintenance of the human body.

CGE Students learn of the different forms of genetic mutation and how these are regulated in the human body as well as how an understanding of genomes allows human advancement.

Term 2:**Energy and ecosystems & Inheritance and evolution**

E&E students learn of the flow of energy throughout a food chain and the effect that this has on an ecosystem.

I & E Students learn of the various different methods of genetic inheritance, to include epistasis and autosomal linkage. The Hardy-Weinberg equilibrium is explored and its use to calculate frequencies is explored.