

WINDSOR SIXTH FORM SUMMER WORK



A Level Biology

Produce a colourful and well- illustrated A3 poster which displays the following information:

Choose three different cells, one should be a prokaryotic cell, two should be eukaryotic cells (one a plant cell and one an animal cell).

You need to include:

A fully labelled diagram showing the ultra-structure of each cell. Each diagram should be annotated so that the function of each cell part is explained. Make sure there is a title for each cell. For the prokaryotic cell describe where it lives and any effect it may have on its immediate environment. For each eukaryotic cell you should describe its function within the whole organism. Use the video links below to help support your understanding of Eukaryotic cells, prokaryotic cells and the similarities and differences between them. I have also included the link to physics and maths tutor which includes detailed notes and revision cards for the whole topic on cells.

[AQA Biology A-level Topic 2: Cells Revision - PMT \(physicsandmathstutor.com\)](https://www.physicsandmathstutor.com/aqa-biology/a-level-topics/cells-revision/)

[EUKARYOTIC CELLS A level Biology - Structure & function of the organelles found in eukaryotic cells - YouTube](https://www.youtube.com/watch?v=...)

[PROKARYOTIC CELL STRUCTURE AND ORGANELLES-A-level Biology cells topic 2. - YouTube](https://www.youtube.com/watch?v=...)

[Comparing Eukaryotes & Prokaryotes | A-level Biology | OCR, AQA, Edexcel - YouTube](https://www.youtube.com/watch?v=...)

Extension -The following are suggestions, they are not compulsory, but we would love for you to engage in any that you find interesting, to help prepare you for A level Biology. Biological molecules will be the first module you start with in year 12 so use the resources below to get a head start on key terms and knowledge that will support your understanding of many topics in A level Biology.

[A level Biological Molecules - Learn the ENTIRE topic in this video. AQA A level Biology Revision - YouTube](https://www.youtube.com/watch?v=...)

[AQA Biology A-level Topic 1: Biological Molecules - PMT \(physicsandmathstutor.com\)](https://www.physicsandmathstutor.com/aqa-biology/a-level-topics/biological-molecules/)

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