



BIOLOGY

BRIDGING WORK

A significant aspect of the work you will do in Biology involves you to complete independent study, including reading real life scenario's based on knowledge you have learnt in lesson. There are a number of different ways to do this but we would highly recommend reading the 'Biological Sciences review magazines.' They are targeted at A-level biology students and very often the information used in exam questions are taken from these articles. You will need to be able to understand and efficiently summarise the main purpose of the articles in the magazine, linking it with knowledge learnt from your lesson.

Please carefully read the article on [Guillain-Barré syndrome](#) and then complete the tasks A-E below in the boxes provided. Write or type responses using your own words, do not copy and paste information.

TASKS

A. Summarise the article in no more than 100 words.

B. Pick out 5 key terms that are new to you to define them

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C. Answer the questions based on the article

1. What is neuromuscular junction
2. How does the Botulinum toxin enter the neurone and what effect does it have on the organism?
3. The bacteria *Campylobacter jejuni* is responsible for food poisoning. What are they covered in and what is this similar to?
4. Summarise the complement cascade

D. Thinking back to GCSE, list 4 key words/sentences or diagrams that are in this article that you covered at GCSE.

E. Are there any extra key facts/ knowledge you have found/researched linked with; this disease, the neurones involved and/or the immune response.