

# Biology

## Practice Questions

AS Level  
AQA / Edecxcel



# Instructions

## Individual, exam-style questions

The questions contained in this booklet match the style of questions that are typically asked in exams. This booklet is not however, a practice exam. Elevate's research with top students identified that top students do more practice questions than anyone else. They begin the process of testing their knowledge early in the year.

Therefore, we have provided exam-format questions that are sorted by topic so that you can answer them as you learn the information, rather than waiting until the very end of the year to complete exams.

## Comments, questions?

Let us know if you need any further advice by visiting [www.elevateeducation.com](http://www.elevateeducation.com). You can comment on any of our material, or head to the FAQ section and ask us a question. Also, you can find us on social media so you can stay up to date on any brand new tips we release throughout the year.

## Other information

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# Questions

1. Outline two differences between eukaryotic and prokaryotic cells. (4)
2. Outline the composition of a triglyceride. (2)
3. Draw a diagram which depicts two mononucleotides joined together in a single strand of DNA (polynucleotide). (4)
4. Outline two ways in which active transport is different from facilitated diffusion. (4)
5. Describe how phagocytic white blood cells destroy bacteria. (4)
6. Outline one difference and one similarity between organs and tissue. (4)
7. Draw a fully labelled diagram of a nucleus, as would be seen through an electron microscope. (5)
8. What is a 'haploid nucleus?' (2)
9. Why are hydrogen bonds important in cellulose molecules? (2)
10. Explain how replacing rainforests with crop production causes the diversity of insects in the area to decrease. (4)
11. How can scientists use protein structure to investigate the evolutionary relationships between different species? (4)
12. Scientists are to undertake a study into the effects of alcohol on liver performance. Outline two factors they should take into account when choosing participants. (4)
13. Why is mitosis important in organisms' lives? (2)