



Subject	BTEC Applied Science (Biology)		
Title/Topic	Format	Length	WC
Paper 1 – Biology	Written Assessment	40 minutes	5 December

In this Advent assessment I will be asked to show I can...

- Understand the ultrastructure and function of organelles in the following cells:

o eukaryotic cells (plant and animal cells) – plasma membrane, cytoplasm, nucleus, nucleolus, endoplasmic reticulum (smooth and rough), Golgi apparatus, vesicles, lysosomes, 80S ribosomes, mitochondria, centriole

o eukaryotic cells (plant-cell specific) – cell wall, chloroplasts, vacuole, tonoplast, amyloplasts, plasmodesmata, pits.

- Understand the similarities and differences between plant and animal cell structure and function.

B2 Cell specialisation

Understand cell specialisation in terms of structure and function, to include:

- white blood cells

B3 Tissue structure and function

- Understand the structure and function of endothelial tissue, as illustrated by blood vessels in the cardiovascular system, including the risk factors that damage endothelial cells and affect the **development of atherosclerosis**.

- Understand the structure and function of nervous tissue, to include:

o non-myelinated and myelinated neurones



What should I do to revise and prepare for this assessment?

To prepare for this assessment:

1. Use your notes
2. Make flash cards for key knowledge and definitions.
3. Use Seneca learning.
4. Use the revision PowerPoints

What useful websites/resources could I use to help me prepare?

Seneca learning

[Free Homework & Revision for A Level, GCSE, KS3 & KS2 \(senecalearning.com\)](https://www.senecalearning.com)

Your revision guide – use the revision guide suggested to you by your teacher.