

1 Fill in the missing words from the list below

b	igger /multicellular / plants / prokaryotic / unicellular / pathogens / smaller / simpler / animals
Mo	st eukaryotic organisms are <b>multicellular</b> and they include both animals and <b>plants</b> . Bacteria meanwhile are
pro	karyotic organisms which are unicellular. Their cells are generally smaller and simpler than eukaryotic
cells	
	[6 marks]
2	The figure below shows a simplified version of a cell.
2.1	Is it a eukaryotic or prokaryotic cell?
	Eukaryotic Prokaryotic
2.2	[1 mark] Label the nucleus (black sport in middle), cytoplasm (grey substance filling cell) and cell wall (outer line that
	ounds the cell) on the above diagram  [ 3 marks ]
2.3	Give the function of these three structures
	Nucleus - Stores the DNA of the cell
	Cytoplasm - Jelly like substance that supports cell and provides site for chemical reactions
	Cell wall - Controls what enters/leaves cell and provides support
2.4	[ 3 marks ] Add two more sub-cellular structures that can be found in plant cells to the diagram above
Dra	w mitochondria, ribosomes, chloroplasts, vacuole, Golgi apparatus, endoplasmic reticulum, or other suitable sub-cellar structures.
	[ 2 marks ]
3	Which of these structure are found only in plant cells?
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Nucleus

Cell membrane

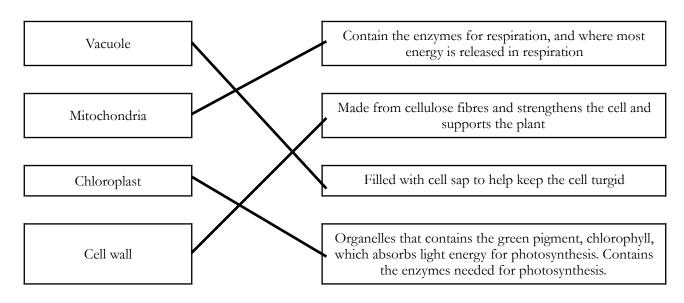
Vacuole

Cell wall

## **GCSE Biology**

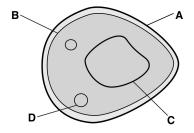


4 Match the function of these organelles to their function



[4 marks]

5 The diagram below shows a prokaryotic cell



- 5.1 Name the structures labelled:
  - A Cell wall
  - B Cell membrane
  - C DNA
  - D Plasmid

[4 marks]

## 5.2 What is the difference between structures C and D?

C contains all of the genes that the bacteria needs to survive under normal conditions. D is a plasmid do contains extra genes that may occasionally be useful, such as antibiotic resistance.

[2 marks]

[Total - 27 marks]