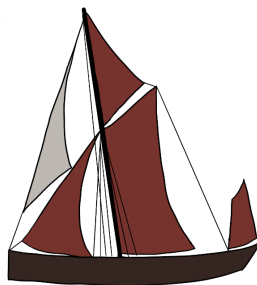

AQA CELL STRUCTURE AND FUNCTION MARK SCHEME

Science Exams Sorted

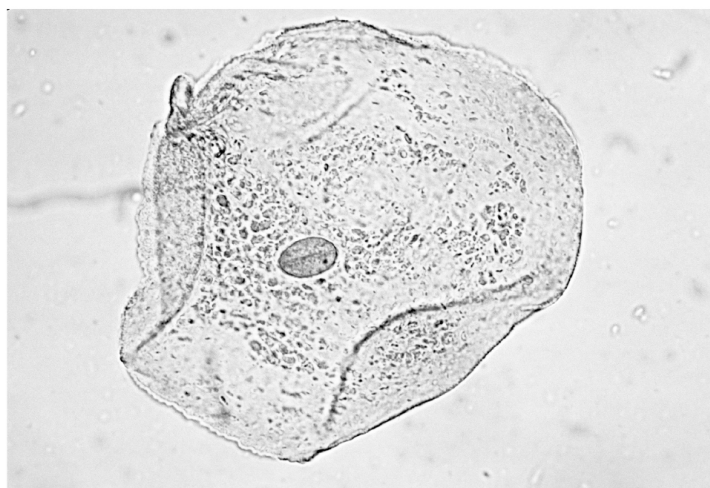


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AQA Cell Structure and Function Mark Scheme

1. The figure below shows an animal cell viewed using a microscope.



- a. The cell contains a nucleus.

What is the function of the nucleus?

Any one or both of the following:	
It contains the cell's DNA/ or genetic material.	(1)
It controls the activities of the cell.	(1)
	Total: 1 mark

- b. Name one type of cell that does not contain a nucleus.

Red blood cell / RBC or bacteria / prokaryote or xylem (cell).	(1)
	Total: 1 mark

- c. Draw a simple diagram of the cell in the figure above.

Label two parts of the cell.

Cell shape is similar to cell in the figure above and nucleus present	(1)
Any two features correctly identified and labelled:	
• nucleus • (cell) membrane • cytoplasm • mitochondria / mitochondrion • ribosome(s)	(1)
	Total: 2 marks

AQA Cell Structure and Function Mark Scheme

- d. Name one structure found in a plant cell but not found in an animal cell.

Any one from:	
(cellulose cell) wall	(1)
chloroplast	(1)
(permanent) vacuole	(1)
	Total: 1 mark

AQA 2019 Higher Paper 1 Q1 (i – iv)

2. There are many different types of cell in the human body.

- a. Describe where epithelial cells are found in the human body.

Surface of organ(s). Allow covering / lining organ. Allow skin.	(1)
	Total: 1 mark

The figure below shows an epithelial cell.

- b. Name part A and part B.

A = cell membrane.	(1)
B = cytoplasm.	(1)
	Total: 2 marks

- c. What is the function of ribosomes?

Protein synthesis.	(1)
	Total: 1 mark

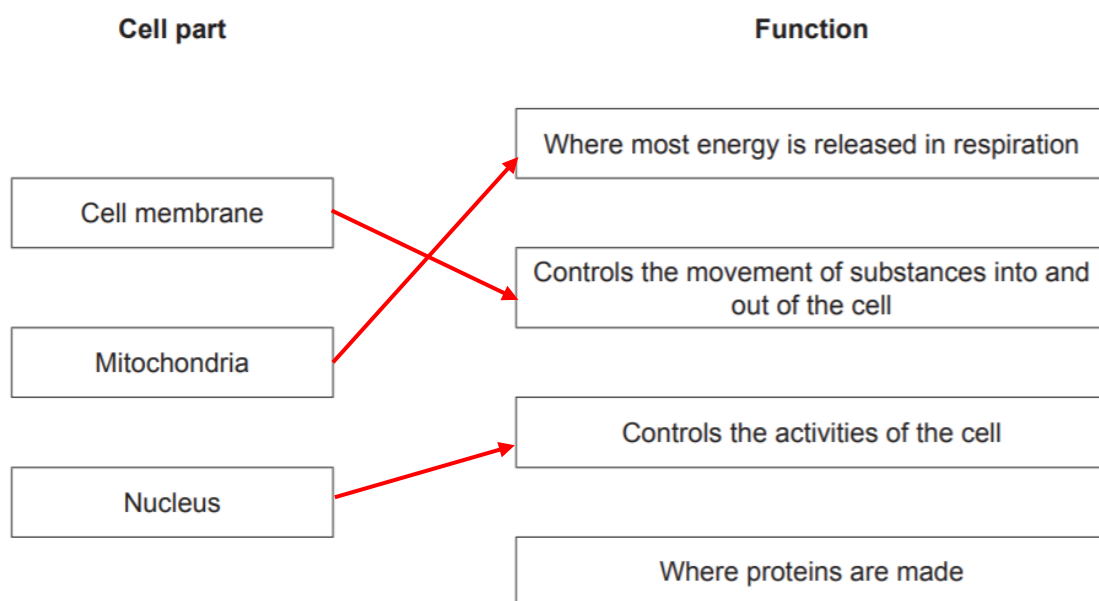
AQA 2017 Higher Paper 2 Q1 a & b

AQA Cell Structure and Function Mark Scheme

3. Living organisms are made of cells.

Animal and plant cells have several parts. Each part has a different function.

a. Draw one line from each cell part to the correct function of that part.



1 mark for each line drawn correctly.	(3)
	Total: 3 marks

The figure below shows a cell from a plant leaf.

b. Which two parts in the figure above are not found in an animal cell?

Chloroplast	(1)
Cell wall/ vacuole.	(1)
	Total: 2 marks

AQA 2016 Foundation Paper 2 Q1

4. Human cells and yeast cells have some parts that are the same.

Parts A and B in the figure above are found in human cells and in yeast cells.

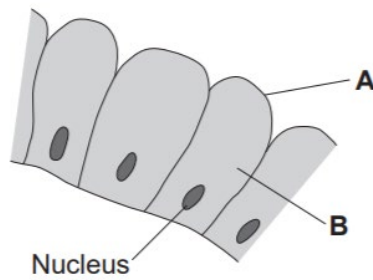
On the figure above, label parts A and B.

A = nucleus.	(1)
B = cell membrane.	(1)
	Total: 2 marks

AQA 2015 Foundation Paper 2 Q1 a

AQA Cell Structure and Function Mark Scheme

5. The figure below shows some cells in the lining of the stomach.



- a. Name parts A and B.

A = cell membrane.	(1)
B = cytoplasm.	(1)
	Total: 2 marks

- b. What is the function of the nucleus?

Tick one box.

To control the activities of the cell.	(1)
	Total: 1 mark

AQA 2014 Foundation Paper 2 Q1 a