

Principles of Organisation

Question Paper

Level	GCSE (9-1)
Subject	Combined Science: Trilogy - Biology
Exam Board	AQA
Topic	4.2 Organisation
Sub-Topic	Principles of Organisation
Difficulty Level	Bronze Level
Booklet	Question Paper

Time Allowed: 11 minutes

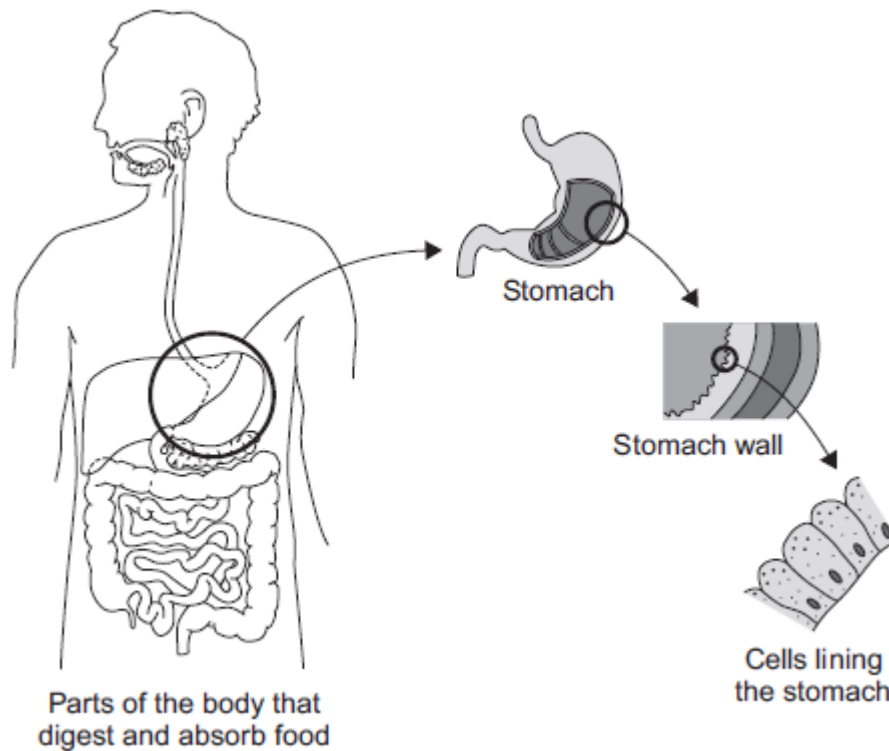
Score: /11

Percentage: /100

Grade Boundaries:

Q1. The diagram below shows the parts of the body that digest and absorb food.

It also shows some details about the structure of the stomach.



- (a) Complete the table to show whether each structure is an organ, an organ system or a tissue.

For each structure, tick (✓) **one** box.

Structure	Organ	Organ system	Tissue
Stomach			
Cells lining the stomach			
Mouth, oesophagus, stomach, liver, pancreas, small and large intestine			

(2)

- (b) (i) The blood going to the stomach has a high concentration of oxygen.
The cells lining the stomach have a low concentration of oxygen.

Complete the following sentence.

Oxygen moves from the blood to the cells lining the stomach by
the process of

(1)

- (ii) What other substance must move from the blood to the cells lining the stomach so that respiration can take place?

Draw a ring around the correct answer.

glucose

protein

starch

(1)

- (iii) In which part of a cell does aerobic respiration take place?

Draw a ring around the correct answer.

cell membrane

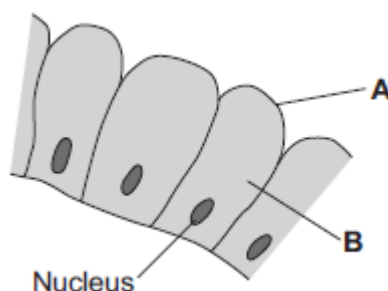
mitochondria

nucleus

(1)

(Total 5 marks)

Q2. The image below shows some cells in the lining of the stomach.



- (a) (i) Use words from the box to name structures **A** and **B**.

cell membrane

chloroplast

cytoplasm

vacuole

A

B

(2)

(ii) What is the function of the nucleus?

Tick (✓) **one** box.

To control the activities of the cell

☐

To control movement of substances into and out of the cell

☐

To release energy in respiration

☐

(1)

(b) Draw **one** line from each part of the human body to its correct scientific name.

Part of human body

Scientific name

Layer of cells lining the
stomach

An organ

Stomach

An organism

Mouth, stomach, intestines,
liver and pancreas

An organ system

A tissue

(3)

(Total 6 marks)