

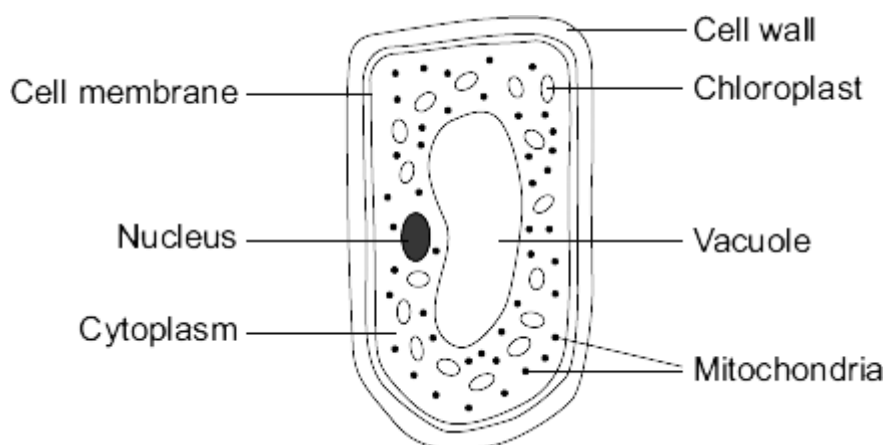
Name of the Student: _____

Max. Marks : 17 Marks

Time : 17 Minutes

Q1.

The diagram shows a cell from a plant leaf.



(a) Name the part of this cell that:

(i) controls the passage of substances in and out of the cell

(1)

(ii) is filled with cell sap.

(1)

(b) Give the names of **two** parts of the leaf cell that would **not** be found in a human liver cell.

_____ and _____

(2)

(c) The chloroplasts produce oxygen.

Draw a ring around the correct answer to complete the sentence.

The oxygen produced by the chloroplasts passes out of the cell by

diffusion.
digestion.
respiration.

(1)

(Total 5 marks)

Q2.

The diagram shows a strawberry plant.

The parent plant grows side shoots.

New plants grow on the side shoots.



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The new plants will all have the same inherited characteristics as the original parent plant.

Complete the sentences to explain why.

Use words from the box.

asexual	differentiation	embryos	fertilisation
gametes	genes	mitosis	sexual

(a) The new plant is produced by _____ reproduction.

(1)

(b) In this type of reproduction, body cells divide by _____

(1)

(c) The new plant has the same _____ as the parent plant.

(1)

(Total 3 marks)

Q3.

- (a) **List A** gives four structures in the human body.

List B gives the functions of some structures in the body.

Draw a straight line from each structure in **List A** to the correct function in **List B**.

List A – Structure

List B – Function

Alveoli

Surround and protect the lungs

Veins

Filter the blood

Villi

Carry blood towards the heart

Ribs

Absorb digested food

Allow oxygen to enter the blood

(4)

- (b) Draw a ring around the correct answer to complete the sentence.

In the lungs, oxygen enters the blood from the air by

diffusion.

filtration.

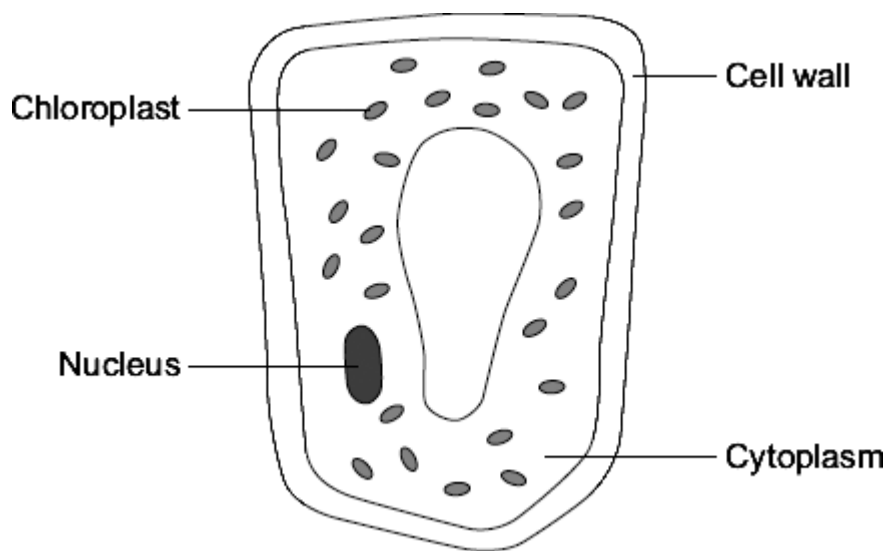
respiration.

(1)

(Total 5 marks)

Q4.

The diagram shows a plant cell from a leaf.



- (a) **List A** gives the names of three parts of the cell.
List B gives the functions of parts of the cell.

Draw a line from each part of the cell in **List A** to its function in **List B**.

List A Parts of the cell	List B Functions
Nucleus	Where most of the chemical reactions take place
Cytoplasm	Absorbs light energy to make food
Chloroplast	Strengthens the cell
	Controls the activities of the cell

(3)

- (b) Respiration takes place in the cell.

Draw a ring around the correct answer to complete the sentence.

All cells use respiration to release

energy
oxygen.

sugar.

(1)

(Total 4 marks)