

Practice Question Set For GCSE
Subject : Biology
Paper-1 Topic: B1 Cell Biology

Name of the Student: _____

Max. Marks : 17 Marks

Time : 17 Minutes

Mark Schemes

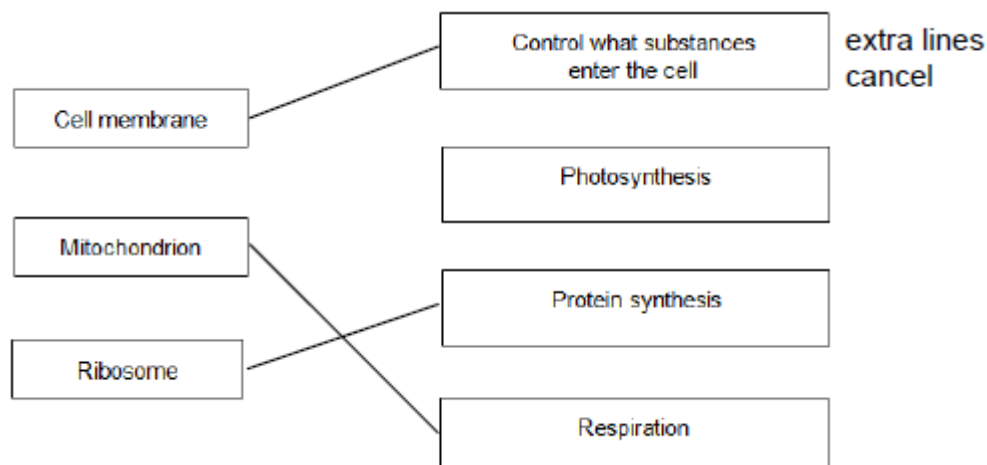
Q1.

(a) (i) A = cytoplasm 1

B = (cell) membrane 1

(ii) nucleus 1
accept chromosome / DNA / genes
accept phonetic

(b)



3

[6]

Q2.

(a) (i)

Feature	Mitosis only	Meiosis only
Produces new cells during growth and repair	✓	
Produces gametes (sex cells)		✓
Produces genetically identical cells	✓	

All 3 correct = **2** marks

2 correct = **1** mark

0 or 1 correct = **0** marks

2

(ii) (a man) testis / testes
accept testicle(s)

1

(a woman) ovary / ovaries
*do **not** accept 'ova' / ovule*

1

(b) (i) XY / YX
or
X and Y

1

(ii) XX
or
X and X or 2 X's
accept X

1

(c) $\frac{1}{2}$ / 0.5 / 50% / 1:1 / 1 in 2
*do **not** accept 1:2 / 50/50*
allow 50:50
allow 2 in 4

1

[7]

Q3.

(a) xylem **and** phloem

either order

allow words ringed in box

allow mis-spelling if unambiguous

1

(b) (i) movement / spreading out of particles / molecules / ions / atoms

ignore names of substances / 'gases'

1

from high to low concentration

accept down concentration gradient

ignore 'along' / 'across' gradient

ignore 'with' gradient

1

(ii) oxygen / water (vapour)

allow O_2 / O_2

ignore O^2 / O

allow H_2O / H_2O

ignore H^2O

1

[4]