

Practice Question Set For GCSE
Subject : Biology
Paper-1 Topic: B4 Bioenergetics

Name of the Student: _____

Max. Marks : 18 Marks

Time : 18 Minutes

Mark Schemes

Q1.		
(a)	A	1
(b)	(i) diffusion	1
	(ii) respiration	1
	(iii) mitochondria	1
	(iv) photosynthesis	1
		[5]

Q2.

(a) (i) A **or** C
allow lower case

1

(ii) B **or** D
allow lower case

1

(b) (i) 60

1

(ii) 4

1

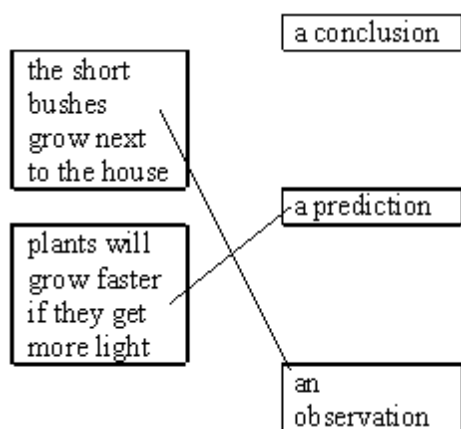
(c) red blood cells

1

[5]

Q3.

(a) (i)



both correct = 2 marks

one correct = 1 mark

extra line from a statement cancels the mark

2

(ii) 1st space: carbon dioxide

allow CO₂ (ignore superscript)

*do **not** allow CO alone*

1

2nd space: glucose / sugar / starch / carbohydrate

1

(b) (i) any **one** from:

- move lamp or change distance between lamp and plant
ignore measure the distance
- change wattage / power of (light) bulb
*do **not** accept just "change bulb"*
- change voltage / power supply to the (light) bulb
- change the number of lamps
- put translucent material between lamp and plant
accept examples, eg tracing paper / filters
*do **not** accept coloured filters*

1

(ii) rises

1

levels off

ignore numbers

1

(iii) idea that it levels off

or

does not increase at all light intensities

or

it only increases to a certain amount

*answers should relate to photosynthesis and **not** to bubbling*

1

[8]