

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

Name of the Student: _____

Max. Marks : 17 Marks

Time : 17 Minutes

Mark Schemes

Q1.		
(a)	(i) carbon dioxide / CO ₂	(reject CO)
	(ii) oxygen / O ₂ / O	(reject water vapour)
	for 1 mark each	
		2
(b)	(provides) energy	
	for 1 mark	
		1
		[3]

Q2.

- (a) (i) trachea
accept windpipe 1
- (ii) (left) lung **or** lungs
do not credit right lung 1
- (b) carbon dioxide **or** water vapour
do not credit just 'water' 1
- oxygen
*answers in terms of used air or fresh air or of temperature differences
are not acceptable* 1

[4]

Q3.

(a) (i) oxygen

do not credit air

1

(ii) lung(s)

*do not credit blood **or** nose or windpipe alone but accept as a neutral answer if included with lungs*

1

(b) oxygen

1

lactic acid

both words required

1

[4]

Q4.

- (a) oxygen passes from the air/lungs into the body
gains 1 mark

but

oxygen passes from the air/lungs into the blood
gains 2 marks

carbon dioxide passes from the body into the air/lungs
gains 1 mark

but

carbon dioxide passes from the blood into the air/lungs
gains 2 marks

4

- (b) increased/5% more
gains 1 mark

but

6 times more (in air breathed out)
gains 2 marks

2

[6]