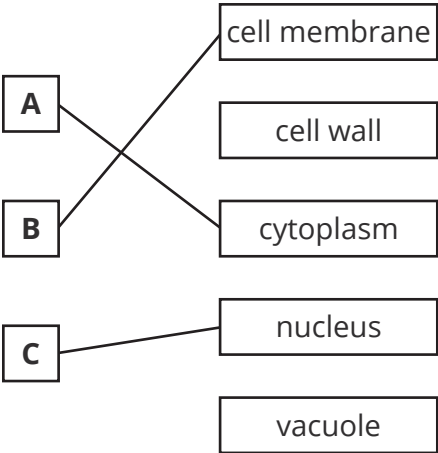


Question 1

Question	Answers	Extra information	Mark
01.1		1 mark for each correct line.	3
01.2	ciliated epithelial cell	If more than one box is ticked, award no marks.	1
01.3	The movement of particles/ molecules from an area of high concentration to an area of low concentration.	Allow down a concentration gradient.	1
01.4	Y X	Answers in this order only.	2
Total			7

Question 2

Question	Answers	Extra information	Mark
02.1	oxygen steep increases	Answers in this order only.	3
02.2	<ul style="list-style-type: none"> • many gill filaments/ folds in the membrane/lamellae • increases the surface area for diffusion • membranes of gill filaments are only one cell thick • provides a short diffusion pathway 	Explanations must be linked to correct adaptation.	1 1 1 1
Total			7

Question 3

Question	Answers	Extra information	Mark
03.1	stomata	Allow stoma.	1
03.2	photosynthesis		1
03.3	(air spaces) allow gases to move easily through the leaf/ reduce distance for diffusion		1
	maintains a steep concentration gradient		1
Total			4