

Question 1

Question	Answers	Extra information	Mark
01.1	sperm cell	If more than one box is ticked, award no marks.	1
01.2	animal cells (typically) differentiate in early life/cell cycle plant cells differentiate at any time		1 1
01.3	cells become specialised to carry out a specific role more efficiently		1 1
01.4	biconcave shape for increased surface area no nucleus to increase the space to carry oxygen contains haemoglobin to bind to oxygen molecules		1 1 1
Total			8

Question 2

Question	Answers	Extra information	Mark
02.1	ciliated epithelial cell	If more than one box is ticked, award no marks.	1
02.2	cilia for increased surface area		1
	columnar shape to increase the number of cells that make up a lining		1
Total			3