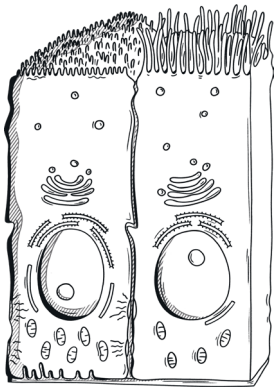
0 1 **Figure 1** shows a specialised cell.

Figure 1



0 1 . 1 What is the name of the specialised cell shown in **Figure 1**?

[1 mark]

_____

0 1 . 2 Explain how the cell shown in **Figure 1** is adapted to its function.

[2 marks]

_____

_____

_____

_____

3

0 2 Put a tick (✓) in the correct column to show if each statement about differentiation is true **or** false.

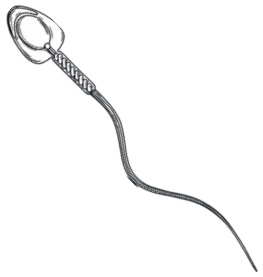
[3 marks]

0 2 . 1

Statement	**True (✓)**	**False (✓)**
Differentiation is when all the cells carry out the same function.		
Differentiation only occurs in plant cells.		
Differentiation produces specialised cells with different sub-cellular structures.		

Figure 2 shows a specialised cell.

Figure 2



0 2 . 2 Explain how a sperm cell is adapted to carry out its function.

[6 marks]

9