

01

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

01.1

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

[1 mark]

Tick **one** box.egg cell ☐palisade cell ☐root hair cell ☐sperm cell ☐

01.2

Describe how cell differentiation in plants and animals is different.

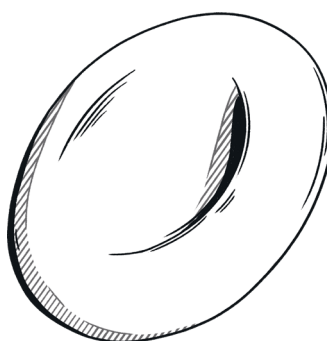
[2 marks]

0 1 . 3 Explain why cells differentiate.

[2 marks]

Figure 2 shows a red blood cell.

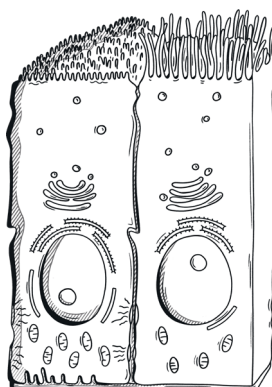
Figure 2



0 1 . 4 Describe how the structure of a red blood cell is adapted to carry out its function.

[3 marks]

0 2

Figure 3 shows a specialised cell.**Figure 3**

0 2 . 1

What is the name of the specialised cell shown in **Figure 3**?

[1 mark]

Tick **one** box.

ciliated epithelial cell

☐

root hair cell

☐

white blood cell

☐Explain how the cell shown in **Figure 3** is adapted to its function.

[2 marks]

3