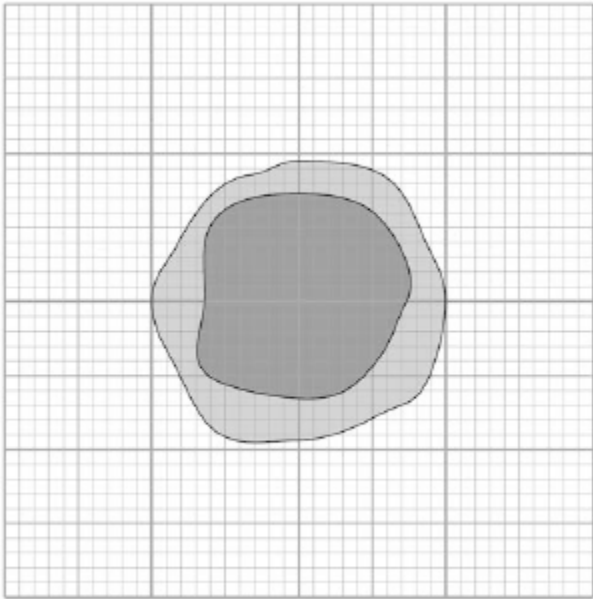


1

The figure below shows a scale drawing of one type of cell in blood.



Scale: |——| 2 micrometres

(a) Use the scale to determine the width of the cell.

Give your answer to the nearest micrometre.

.....
.....

Width of cell = micrometres

(1)

(b) Complete the table below.

Part of the blood	Function
	Carries oxygen around the body
	Protects the body against infection
Plasma	

(3)

(c) Platelets are fragments of cells.

Platelets help the blood to clot.

Suggest what might happen if the blood did **not** clot.

.....

.....

(1)
(Total 5 marks)

Mark schemes

1

(a) 8 (micrometres)

1

(b) red blood cell(s)

1

white blood cell(s)

accept named cell

eg phagocyte / lymphocyte

1

(plasma)

transports proteins / dissolved substances / food (molecules) / urea / hormones / blood cells

1

(c) any **one** from:

- you could lose a lot of blood
- bleed internally

allow bleeding would not stop

allow could bleed to death

1

[5]