

Marks

Question 21 (8 marks)

Describe a first-hand investigation used to estimate the size of red blood cells on a prepared microscope slide.

8

In your description include:

- a list of equipment used;
- a safety precaution needed;
- the step-by-step method used;
- a scaled diagram of a red blood cell.

Equipment - prepared red blood cell slide
- microscope
- gloves
- pencil/paper (for diagram)

~~Safety precaution~~

Method -

- ① Wear gloves as a safety precaution to prevent blood from the slide coming in contact with skin.
- ② Place ~~slide~~ slide under microscope light.
- ③ Adjust variables on microscope to produce a clear image of red blood cells.
- ④ Sketch a red blood cell.
- ⑤ Calculate size of red blood cell ~~by~~ using the size of μm on the microscope used to view the image.

Diagram:

Red Blood cell

