

Question 21 (8 marks)

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

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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.

• The Aim of the experiment was to identify the approximate size of red blood cells and what it looked like.

• Equipment used: two prepared microscope slides.

- microscope. - measuring ruler.

- blood sample.

- gloves.

• The safety precautions taken were being careful ~~in making the sample of blood~~ handling the slides of blood sample.

Make sure you have your gloves on.

Take extra care when using the microscope.

• Method: (1) Prepare the slide of sample.

(2) Get the microscope ready.

(3) Place the slide carefully onto the microscope.

(4) Observe carefully and accurately the sample.

(5) Identify the red blood cells.

(6) measure and approximate the size.

• diagram:

key: 1cm = 10µm

