

2. This question is about the preparation of a microscope slide that would enable you to see the stages of mitosis.

(a) Name a suitable organism and tissue which could be used to study mitosis.

(i) organism ..... (1)

(ii) tissue ..... (1)

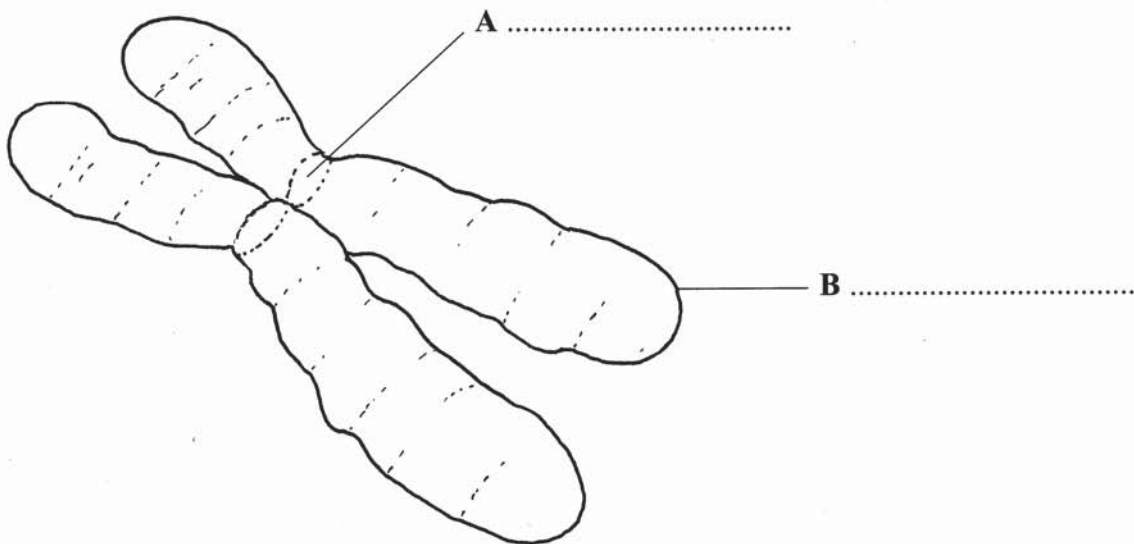
(b) Name a stain you might use to make the chromosomes visible.

..... (1)

(c) Explain why the cells are warmed in acid during the preparation of the slide.

.....  
.....  
..... (1)

(d) The diagram below shows a chromosome during an early stage of mitosis. Write the names of the parts labelled **A** and **B** on the lines provided.



(2)

Q2

(Total 6 marks)



N 2 6 0 1 5 B 0 3 2 0