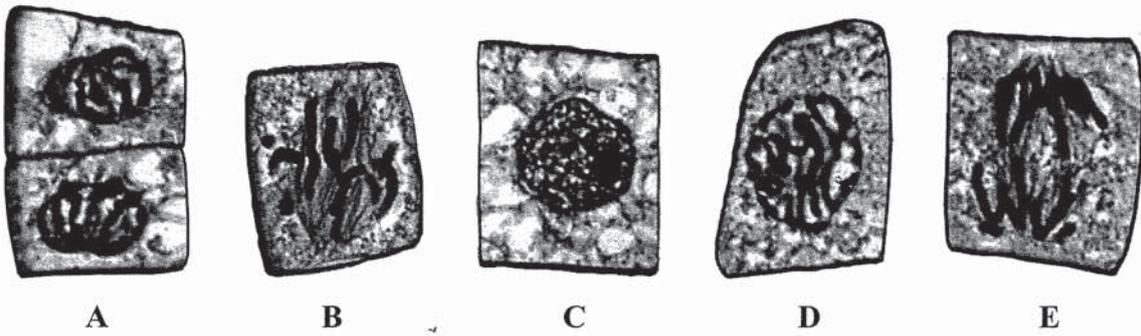


2. The diagrams below show cells from a garlic plant at five different stages of mitosis as seen using a light microscope. These stages are in the wrong order.



(a) Give the correct order in which the five stages take place by using the letters A–E.

1st stage ..... 2nd stage ..... 3rd stage .....

4th stage ..... 5th stage .....

(2)

(b) (i) Name the part of a garlic plant which is used to prepare a slide showing the stages of mitosis.

..... (1)

(ii) Name a stain which is used to make the chromosomes easy to see.

..... (1)

(c) Name the process which must occur in the genetic material before the chromosomes become visible.

(i) Name of the process ..... (1)

(ii) State what happens to the genetic material during this process.

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

(Total 6 marks)

Q2

□

