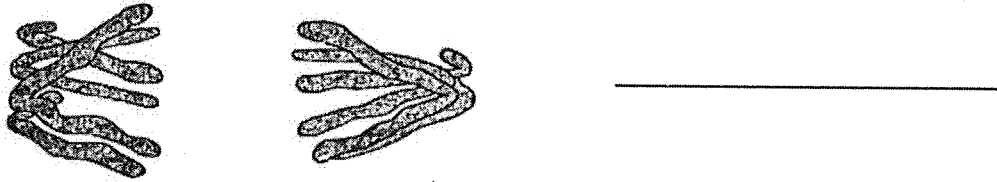
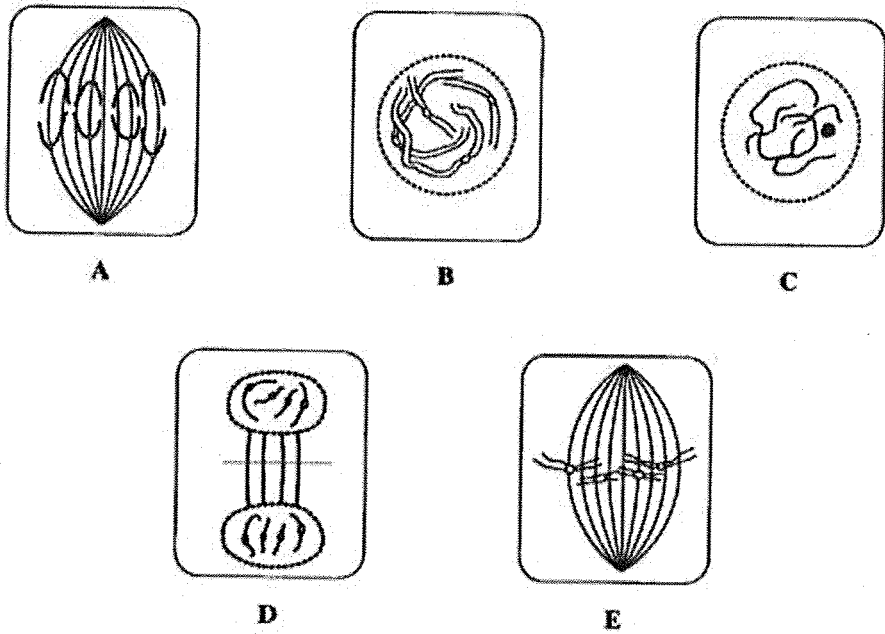


5. The drawing below has been made from a photograph showing a cell undergoing mitosis. Based on the drawing, in what stage of mitosis must the cell have been in?



6. The drawings A-E show stages of mitosis in an animal cell.



- (a) Which of the drawings A -E shows
- (i) interphase _____ (**DNA** is replicated)
 - (ii) prophase _____ (**chromosomes – 2 sister chromatids – shorten**)
 - (iii) metaphase _____ (**sister chromatids line up**)
 - (iv) anaphase _____ (**sister chromatids separate**)
 - (v) telophase _____ (**new nucleus forms at each end**)
 - (vi) cytokinesis _____ (**cell contents divided between 2 daughter cells**)
- (b) Give two processes which occur during interphase and which are necessary for mitosis to take place.

_____ of the cell and _____ of the DNA