



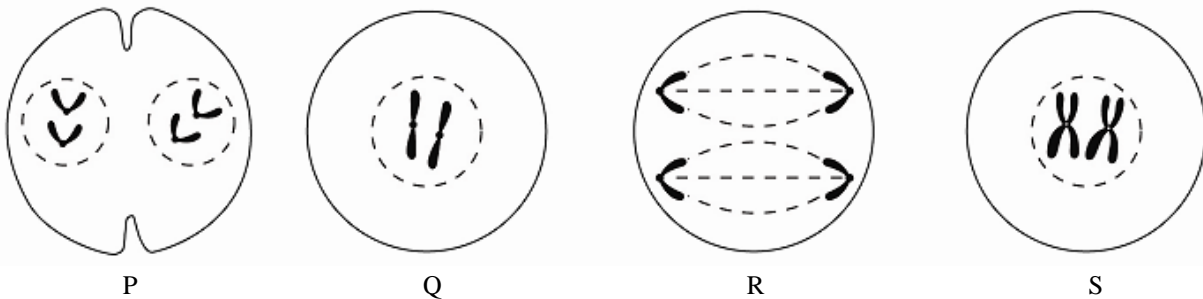
## CHAPTER 3: HEREDITY AND VARIATION

- 1 The following developments take place in a cell during the process of mitosis (not in the correct order).

P: The cell divides and forms two daughter cells.  
Q: Chromosomes thicken and become visible.  
R: Each chromosome becomes attached to a spindle at the centromere.  
S: A nuclear membrane is formed around the chromosomes at each pole.  
T: The chromatids in each chromosome separate and move to opposite poles.

Arrange the developments in the correct sequence.

- A P → Q → S → T → R  
B Q → S → R → P → T  
C Q → R → T → S → P  
D S → Q → P → T → R
- 2 Which of the following cells do not divide by mitosis?  
A Skin cells  
B Muscle cells  
C Reproductive cells  
D Epithelial cells
- 3 The diagram below shows the main stages in the process of mitosis.



Which is the correct sequence?

- A Q, S, R, P  
B S, Q, R, P  
C Q, S, P, R  
D R, P, S, Q