

WORKSHEET - CELL DIVISION

QUESTION 1

- 1.1 ***Select the correct answer to each of the following questions by writing down the letter only on your answer-sheet.***
- 1.1.1 Meiosis in humans occurs only in the
- A somatic cells
 - B the gonads
 - C all the cells of the body
 - D the cells of the nervous system
- 1.1.2 If the nucleus of a certain cell contains 12 chromosomes, how many chromosomes will this nucleus contain if this cell should undergo the process of mitosis ?
- A 12
 - B 36
 - C 6
 - D 24
- 1.1.3 Anaphase is the phase during mitosis which is characterized by ...
- A the formation of two daughter cells
 - B daughter chromosomes move to the poles
 - C the chromosomes arrange themselves on the equator
 - D the spindle is formed
- 1.1.4 The main function of the process of mitosis is to
- A to reduce the diploid number of chromosomes to the haploid number
 - B to form two daughter cells with exactly the same genetic material as the mother cell
 - C to introduce variations in offspring born to the same parents
 - D to reduce the amount of chromosomes in the daughter cells
- 1.1.5 The number of chromosomes in a human ovum (egg cell) is ...
- A 46
 - B 24
 - C 23
 - D XX