MITOSIS, MEIOSIS, DNA STRUCTURE AND REPLICATION - PRACTICE TEST | NEW BRUNSWICK BIOLOGY 121-122 · UNIT A · 5 QUESTIONS

Mitosis, Meiosis, DNA Structure and Replication — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A cell with 6 chromosomes replicates its DNA in interphase. The number of chromatids present after replication is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A human body cell has 38 chromosomes. After mitosis each daughter cell has how many chromosomes**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **In meiosis homologous chromosomes separate during**

A anaphase II

B anaphase I

C prophase

D metaphase of mitosis

Understand It with Pulse | Flag a mistake

4 **Independent assortment increases variation because homologous pairs align**

A identically

B randomly

C in pairs only

D after fertilisation

Understand It with Pulse | Flag a mistake

5 **Meiosis II is most similar to**

A mitosis

B meiosis I

C replication

D fertilisation

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 12
2. 38
3. B
4. B
5. A

© 2026 Brett Robbins. All Rights Reserved.