MITOSIS, MEIOSIS, DNA STRUCTURE AND REPLICATION - PRACTICE TEST | NEW BRUNSWICK BIOLOGY 121-122 · UNIT A · 10 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 **One cell divides by mitosis 2 times in succession. The number of cells produced is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Meiosis produces cells that are genetically**

A identical to the parent

B diploid in humans

C different from the parent

D formed by mitosis

Understand It with Pulse | Flag a mistake

3 **Nondisjunction is the failure of chromosomes to**

A replicate

B separate properly

C condense

D cross over

Understand It with Pulse | Flag a mistake

4 **The backbone of DNA is made of sugar and**

A nitrogen only

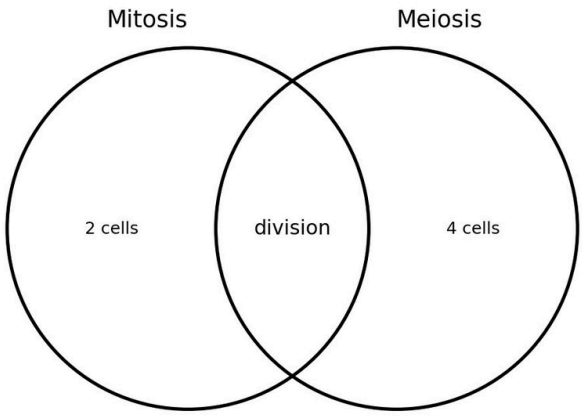
B lipid

C amino acid

D phosphate

Understand It with Pulse | Flag a mistake

5 **The diagram compares mitosis and meiosis. The shared region describes a feature of both divisions. That feature is**



Question 5

The diagram compares mitosis and meiosis. The shared region describes a feature of both divisions. That feature is

A) gamete formation only

B) crossing over only

C) fertilisation

D) chromosome separation

A gamete formation only

B crossing over only

C fertilisation

D chromosome separation

Understand It with Pulse **Flag a mistake**

6 **The diploid number is restored at**

A meiosis I

B meiosis II

C fertilisation

D mitosis

Understand It with Pulse | Flag a mistake

7 **The enzyme that unwinds DNA during replication is**

A ligase

B helicase

C polymerase only

D amylase

Understand It with Pulse | Flag a mistake

8 **The phase of mitosis when sister chromatids separate is**

A anaphase

B prophase

C metaphase

D telophase

Understand It with Pulse | Flag a mistake

9 **The structure that pulls chromatids apart is the**

A spindle

B ribosome

C nucleolus

D cell wall

Understand It with Pulse | Flag a mistake

10 **One cell divides by mitosis 3 times in succession. The number of cells produced is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	4	**5.**	D	**9.**	A
2.	C	**6.**	C	**10.**	8
3.	B	**7.**	B		
4.	D	**8.**	A		

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