

BIOLOGY

How do Organisms Reproduce ?

Q1 Condensed and coiled form of DNA present inside nucleus is called

- (A) hromatin (B) Chromosome
(C) Genome (D) Gene

Q2 DNA is found inside

- (A) Nucleus (B) Mitochondria
(C) Chloroplast (D) All of these

Q3 Which of the following is not a life process and without it an individual will not die?

- (A) Respiration (B) Excretion
(C) Nutrition (D) Reproduction

Q4

Which of the following statement about Variations are correct?

- (A) Variations occur during the reproduction due change in the DNA
(B) Variations can be useful for the species and increase their chances of survival
(C) Variations can be non-useful and lead to decrease in the no. of individuals
(D) All are correct

Q5 _____ carries all the information for making proteins. It is inherited from parents to their progeny.

- (A) DNA (B) Proteins
(C) Carbohydrates (D) Lipids



Answer Key

Q1 (B)

Q2 (D)

Q3 (D)

Q4 (D)

Q5 (A)



Hints & Solutions

Q1 Text Solution:

The condensed and coiled form of DNA present inside the nucleus is called as chromosomes.

Video Solution:**Q2 Text Solution:**

DNA is present in the nucleus (main genetic material), mitochondria, and chloroplasts.

Video Solution:**Q3 Text Solution:**

Reproduction is not essential for the survival of an individual. It is important for the continuation of a species, but an individual can live without reproducing.

Video Solution:**Q4 Text Solution:**

Variations occur during reproduction due to changes in DNA (A). Variations can be beneficial, increasing the chances of survival of a species (B), or non-useful, potentially leading to a decrease in the number of individuals (C). Hence, all the above options are correct.

Video Solution:**Q5 Text Solution:**

DNA carries all the genetic information necessary for making proteins and is inherited from parents to their offspring.

Video Solution:

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