

Name: _____

Score: _____

8 Multiple choice questions

Term

1 of 16

Because of the way the nitrogen bases pair up, the order of the bases in each new DNA strand exactly ____ the order in the original DNA strand.

- ☐ matches
- ☐ randomizes
- ☐ reverses
- ☐ alters

Term

2 of 16

Each group of three DNA bases on a gene codes for a single ____.

- ☐ protein
- ☐ carbohydrate
- ☐ lipid
- ☐ amino acid

Term

3 of 16

The ____ of the nitrogen bases along a gene forms a genetic code that specifies what type of protein will be produced.

- ☐ number
- ☐ order
- ☐ sequence
- ☐ size

Term

4 of 16

The order of the bases along a gene determines the order in which ____ are put together to form a protein.

- ☐ lipids
- ☐ amino acids
- ☐ vitamins
- ☐ sugars

Term

5 of 16

Why is DNA replication important?

- ☐ daughter cells use DNA for communication
- ☐ daughter cells need a complete set of DNA to survive
- ☐ daughter cells need energy to function
- ☐ daughter cells require extra DNA for growth

Term

6 of 16

A ___ is a section of a DNA molecule that contains the information to code for one specific protein.

- ☐ chromosome
- ☐ codon
- ☐ gene
- ☐ protein chain

Term

7 of 16

DNA ___ is a process by which DNA copies itself

- ☐ Translation
- ☐ Transcription
- ☐ Replication
- ☐ Mutation

Term

8 of 16

The genetic code is found in the order of nitrogen _____ along a gene.

- ☐ proteins
- ☐ sugars
- ☐ acids
- ☐ bases

8 Matching questions

- chromosomes
- double helix - - twisted ladder
- deoxyribose (sugar) and phosphate groups
- deoxyribonucleic acid
- adenine, thymine, guanine, cytosine
- Adenine - Thymine
- Cytosine - Guanine
- DNA makes copies of itself
- molecules that contain nitrogen and other elements

A. Nitrogen bases

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B. What is the shape of DNA?

C. DNA replication

D. Genes are located on ___

E. What is the full name of DNA?

F. What are the pairs of nitrogen bases in DNA?

G. What substances make up the sides of DNA?

H. What are the four nitrogen bases found in DNA?