

VOCABULARY SKILLS

● Unraveling Genes

Solve the clues and unscramble the letters to fill in the blanks. Fill the letters in the squares and read the final clue to unravel the secret message.

1. Molecule that carries our hereditary information: NAD

____ _
11

2. Subunits of DNA: DISTONEUCLE

____ _
1

3. Nucleotide base known as A: ENIDANE

____ _
16 14

4. Complement of question 3: TIEHYMN

____ _
5

5. Nucleotide base known as G: NUANIGE

____ _
15

6. Complement of question 5: YOSTINCE

____ _
4

7. Shape of a DNA molecule (two words): EXELLIDOBUH

____ _
12 7

8. Organelle that manufactures proteins: MOOSERIB

____ _
10

9. A change in the order of the bases of an organism's DNA: UNMATIOT

____ _
13 17

10. Anything that can cause damage to DNA: UNGATEM

____ _
9

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● **Unraveling Genes** *(continued)*

11. A tool for tracing a trait through generations of a family: DEEPIRE

6

12. Manipulation of genes that allows scientists to put genes from one organism into another organism (two words): NEETIEGGINGECINNER

18

13. Analysis of fragments of DNA as a form of identification (two words): PANDINGINGFRENIRIT

19

14. Genes are located on these structures that are found in the nucleus of most cells: SHROCOMEMOS

8

15. When organisms with certain desirable traits are mated: SGEEDETRINELCVIEB

3

16. Genetic engineering is used to repair damaged: NEGSE

2

Final Clue:

Occurs when different traits are equally dominant and each allele has its own degree of influence:

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1 2 3 4 5 6 7 8 9 10

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11 12 13 14 15 16 17 18 19