

# The DNA Connection

## Understanding Main Ideas

Complete the table below by stating whether each mutation is helpful, harmful, or neutral to the organism.

Mutation	Effect
White lemur (in a zoo)	1. _____
White lemur (in the wild)	2. _____
Antibiotic resistance in bacteria	3. _____

Answer the following questions on the lines provided.

4. Describe what occurs during protein synthesis.

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5. What is the genetic code?

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## Building Vocabulary

Fill in the blank to complete each statement.

6. A \_\_\_\_\_ is any change in a gene or chromosome.
7. A type of RNA that carries amino acids and adds them to the growing protein is called \_\_\_\_\_.
8. \_\_\_\_\_ is RNA that copies the coded message from the DNA in the nucleus and carries the message into the cytoplasm.

Genetics: The Science of Heredity