

SECTION 3 - 4 **REVIEW AND REINFORCE**

The DNA Connection

◆ Understanding Main Ideas

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

Mutation	Effect
White buffalo (on a farm)	1. _____
Cancer	2. _____
Disease-resistant potatoes	3. _____
White buffalo (in the wild)	4. _____

Answer the following questions on a separate sheet of paper.

- 5. Describe what occurs during protein synthesis.
- 6. What is the genetic code?

◆ Building Vocabulary

Fill in the blank to complete each statement.

- 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.