



Name \_\_\_\_\_

## Genetics Science Learning Center -- Internet Lesson

**Objective:** Students will browse the Genetics Science Learning Center Website to learn about basic genetics, including the structure of DNA, transcription and translation. Answer the questions as you browse through the site topics.

**Site Location:** <http://gslc.genetics.utah.edu/>

1. What are the titles of the two Feature articles on the main page?

Click on the link that says "The Basics and Beyond" or "Tour the Basics".

### What is DNA?

2. What does DNA stand for? \_\_\_\_\_
3. Why is DNA called a blueprint? \_\_\_\_\_
4. The "twisted ladder" shape of the DNA molecule is called a \_\_\_\_\_.
5. Name the four bases found in a DNA molecule: \_\_\_\_\_
6. A DNA strand is made of \_\_\_\_\_ which make up \_\_\_\_\_ which make up nucleotides.
7. These "sugarcoat" are called \_\_\_\_\_.

### What is a Gene? Click -> Link at the navigation bar at the top, next to "Gene" to click on "What is a Gene" to continue.

8. What is a gene? \_\_\_\_\_
9. Blood cells use a protein called \_\_\_\_\_ to capture and carry oxygen.
10. When a gene is changed, it is said to be \_\_\_\_\_.
11. A mutation in the hemoglobin gene causes what disorder? \_\_\_\_\_.

### What is a Chromosome?

12. If you stretched out all the DNA from a single cell, how long would it be?? \_\_\_\_\_
13. How many chromosomes are in a human cell? \_\_\_\_\_ a mosquito? \_\_\_\_\_ a carp? \_\_\_\_\_.

### What is a Protein?

14. How is a protein like a car engine? \_\_\_\_\_
15. Receptor proteins are responsible for picking up \_\_\_\_\_.
16. Each gene in DNA encodes information on how to make a \_\_\_\_\_.
17. Once in the cytoplasm, the \_\_\_\_\_ reads the message.

# Genetic Science Learning Center Answer Key

**Puja Mehta**



**Genetic Science Learning Center Answer Key:**

## Reviewing **Genetic Science Learning Center Answer Key**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Genetic Science Learning Center Answer Key**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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