



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 "nucleotides" are called \_\_\_\_\_.

### What is a Gene? Click on the link at the top right of the page, under "Basics" 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 Answers

**Lei Shi**



**Genetic Science Learning Center Answers:**

## Decoding **Genetic Science Learning Center Answers**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Genetic Science Learning Center Answers**," a mesmerizing literary creation penned with a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

<https://old.whatgoodnews.com/About/uploaded-files/Documents/Insights%20Into%20Our%20World.pdf>

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