

What is a Gene?

TOUR OF THE BASICS

Tour of the Basics **What is a Gene?**

What is DNA? What is a Gene? What is a Chromosome? What is a Protein? What is Heredity? What is a Trait?

WHAT IS A GENE?

Genes are instruction manuals for our bodies. They are the directions for building all the proteins that make our bodies function.

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Blood Cells Hemoglobin Other Genes

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1. What is a gene?

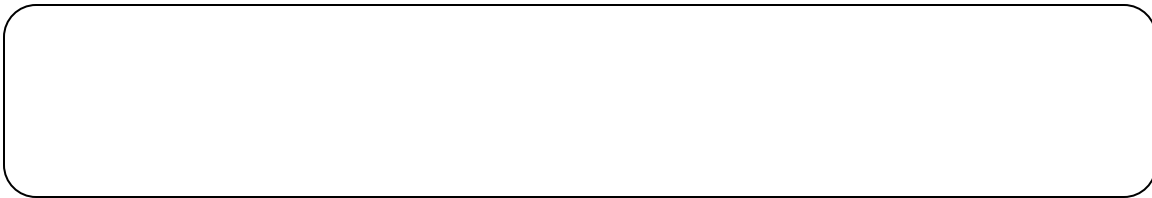
2. What is hemoglobin?

3. How many genes control the formation of hemoglobin in the red blood cells?

4. Describe what happens to the red blood cells if there is something wrong with the gene that controls the formation of hemoglobin? (you may draw your answer)



5. What molecule makes up genes that code for traits?



6. How many genes are contained in one strand of DNA?

