

DNA, Genes, and Traits

What Is a GENE?

A gene is _____
_____.

A gene tells your body how to make _____.

Trait and Inheritance

A trait is _____ such as eye color, height, or blood type. Inheritance is how traits are _____
_____ through genes.

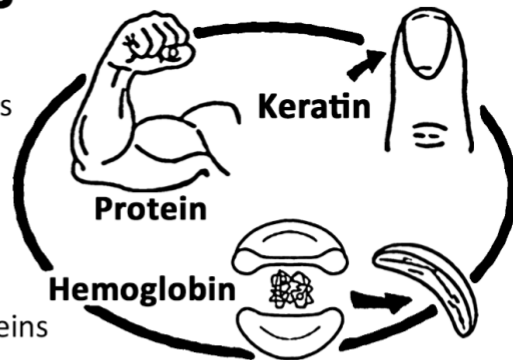
DNA -> Proteins -> Traits



A segment of DNA called a _____ gives instructions for building proteins.

Bases _____ are used in the sequence.

The _____ of proteins _____.



My example of a trait I inherited:

Mutations

Traits in Humans



_____ ex: Sickle Cell Anemia



_____ ex: Freckles



_____ ex: Lactose Tolerance

What Is a Mutation?



A mutation is a _____ in the _____ code.

Same Letters, Different Jobs

All organisms use A, C, T, and G, but _____ a protein is made decides its job.

Mutations

A mutation can change the _____.

A change to the protein changes the _____.

