

March 19, 2019

Review DNA and chromosomes

Discuss genes and inheritance

Inherited Traits Activities

Warm-Up

Our eyes can distinguish as many as
10 million colour variations.



How many chromosomes do each of the following have?:

Humans? 46

Dogs? 78

Mouse? 40

Horse? 64

Earthworm? 36

Cat? 38

Goldfish? 104

Potatoes? 44

39

Chromosomes

Ⓢ threadlike structures that contain the genetic information. Inside the chromosomes there is a chemical called DNA.

Chromosome



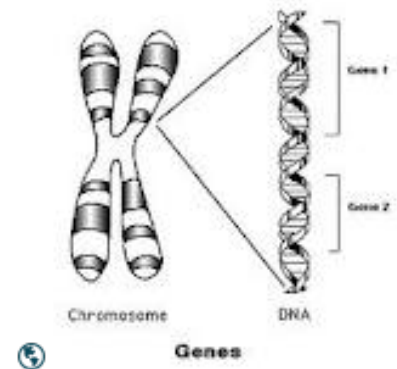
DNA



ADAM.

A Gene is a long section of DNA that determines a specific characteristic i.e. hair color, skin color, height, nose length etc Each of us has thousands of genes, which are made of DNA and are found within our chromosomes.

The passing of these traits from parent to offspring is the basis of heredity.



What are some other traits you think you inherited from your parents??