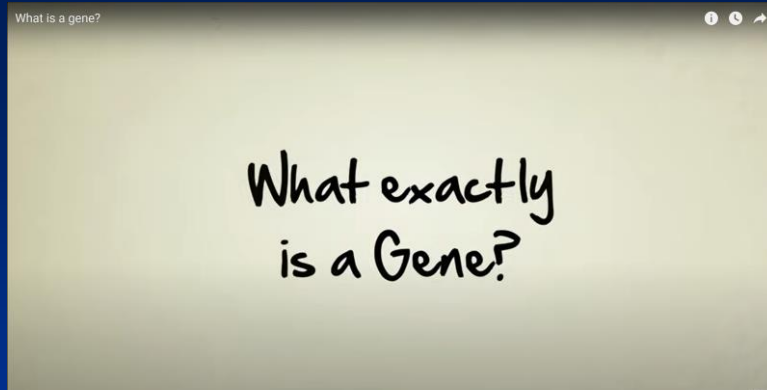


What is a Gene? -- 0:06



Answer: a section of the DNA molecule

A gene can be a long or short section.

1

What is a Gene-- 0:34

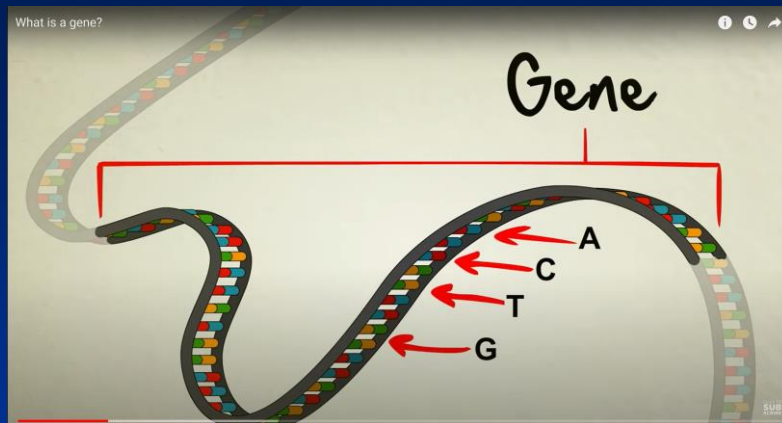


Nucleotides are the 4 'letters' ...A, C, T, G

These pairs are the rungs of the DNA 'ladder'

2

What is a Gene-- 0:34

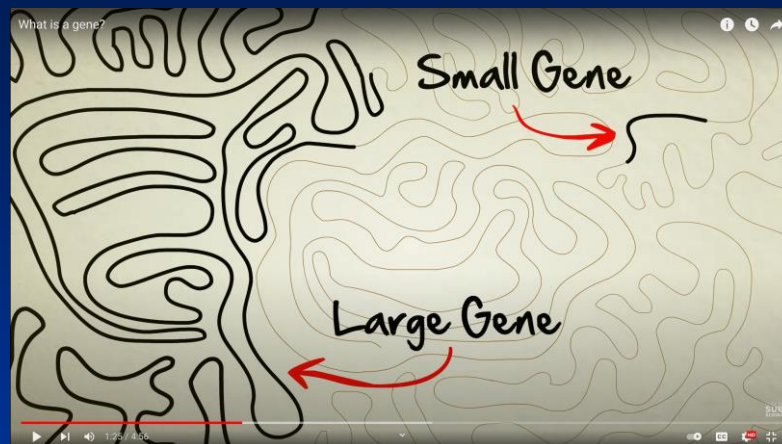


The darker section of the DNA is one Gene

Each "rung" is made of A C T & G "letters"

3

What is a Gene-- 1:25



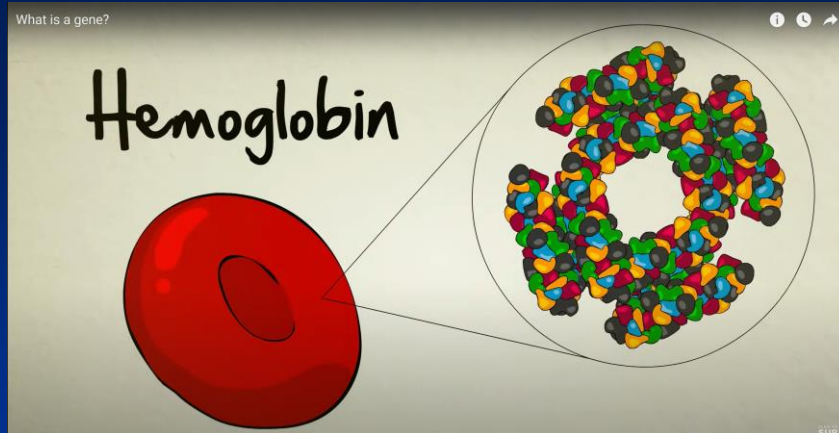
The lighter line is one DNA molecule

It is 3 meters long & shaped in a tight "coil"

The darker lines are a small and large gene

4

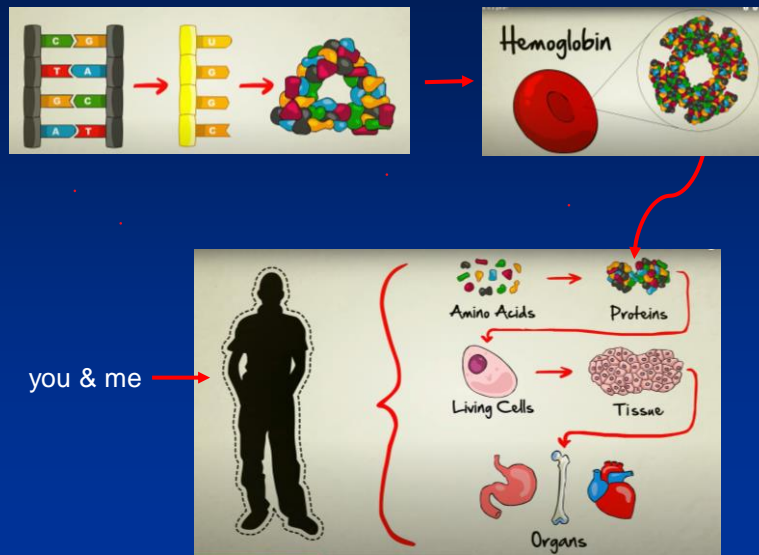
What is a Gene– 1:42



As we saw earlier genes are ‘recipes’ for proteins
Hemoglobin is an example of such a protein.
Hemoglobin makes blood red and carries oxygen

5

What is DNA (summary) – 4:27



6