

Name _____ Block _____ Date _____

Journey into DNA Interactive

1 of 15 ("The human body contains...")

Every human cell (except red blood cells) contains _____

2 of 15

The DNA code from cell to cell is exactly _____

3 of 15

Genetically, all cells in the body are _____

4 of 15

An organelle found within every cell (except red blood cells) is the _____

The function of the nucleus is to _____

"At the heart" of the nucleus' function is _____

5 of 15

The human genome is made of _____

Each set of chromosomes comes from _____

The genes in the human genome numbers about _____

6 of 15

Before it divides, chromosomes become _____ (this is why we draw them as X's)

8 of 15 (Skip 7 of 15)

A gene determines _____

Genes control _____

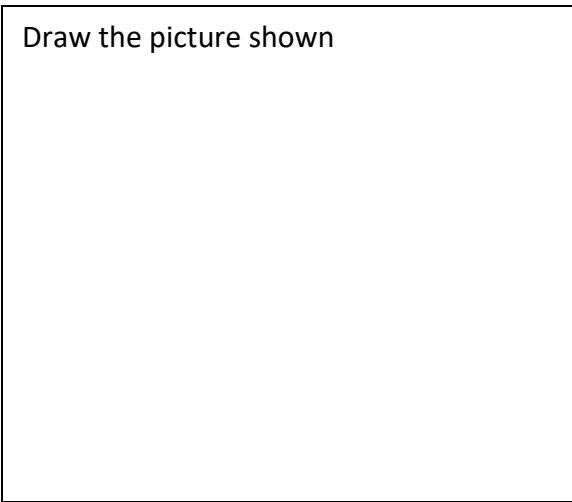
A gene can be made of _____

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If you stretch out the DNA in the nucleus, its length would be _____

To fit the DNA in the tiny nucleus, it is _____

12 of 15 (Skip 10 and 11 of 15)

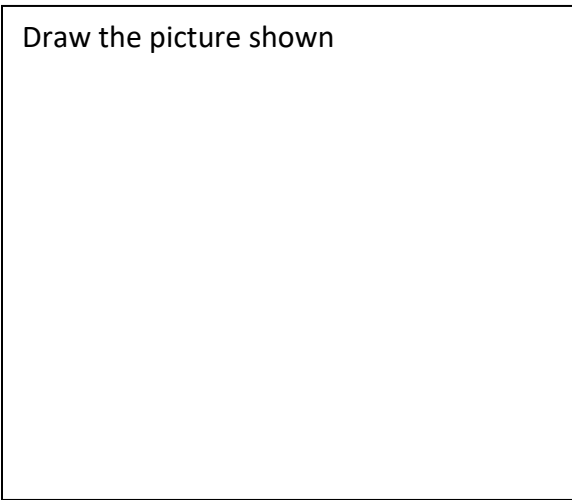


This is a view of

The 3 scientists most responsible for creating an accurate model of DNA _____

The shape of the DNA molecule resembles a

13 of 15



The DNA molecule is made of

What are the four bases?

_____, _____,

_____, and _____

A always pairs with _____

C always pairs with _____

14 of 15

What are the sides of the DNA ladder consist of?

The 3 parts of a nucleotide are the:

Summarize

What is the function of DNA? _____

Describe the structure of the DNA molecule. Include its building block, how the building blocks are put together, and the shape of the molecule. _____
