



How many pairs of chromosomes are there in Human Beings?

How many pairs of chromosomes are there in Human Beings?

- A. 22
 - B. 23**
 - C. 44
 - D. 46
-

Pairs of chromosomes in Human Beings

There are 23 pairs of Chromosomes in Human beings. Chromosomes come in pairs. Normally, each cell in the human body has **23 pairs of chromosomes (46 total chromosomes)**. Half come from the mother; the other half come from the father. Two of the chromosomes (the X and the Y chromosome) determine your sex as male or female when you are born.

What is a Chromosome?

Chromo means colour; while soma means body. So, it is a colour body. A chromosome is a long DNA molecule with part or all of the genetic material of an organism. Most eukaryotic chromosomes include packaging proteins called histones which, aided by chaperone proteins, bind to and condense the DNA molecule to maintain its integrity. These chromosomes display a complex three-dimensional structure, which plays a significant role in transcriptional regulation.

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