

MITOSIS AND MEIOSIS

If you could look at the cell division process through a microscope, you would see what is inside the circles below. It is really astounding to behold!

Mitosis, on the left, below, is the process of cell division in which the nucleus of a cell normally divides into two identical nuclei, at which time the cell itself usually divides equally, separating into two new cells, each with the same number of chromosomes as the parent cell.

Meiosis, on the right, below, occurs only in reproductive cells. This is also cell division, but in the process the number of chromosomes in each sex cell are halved.

For purposes of clarity, only one set of homologous chromosomes is shown. In actuality, the process is much more complicated.

Consider for a moment the extreme complexity of the illustration below, and keep in mind that the millions of cells that divide within your body every minute go through such an exact formula. Yes, it is indeed amazing, and requires careful, intelligent planning and operation of the highest order. Randomness is not producing this!

