

Cell mitosis is like when a cell divides into two new cells. Imagine you have a big piece of candy and you want to share it with your friend. You can split the candy in half so that you both have your own piece. Similarly, when a cell undergoes mitosis, it divides its contents evenly into two new cells.

First, the cell makes a copy of all its important parts, like its DNA. This ensures that each new cell will have the same instructions needed to function properly. It's like making a photocopy of your favorite drawing, so you have an extra copy in case you lose the original.

Next, the cell organizes all these copied parts and separates them into two groups. It's like sorting your toys into two piles - one for you and one for your friend. This process ensures that each new cell receives a complete set of instructions to grow and carry out its specific functions.

Once everything is neatly divided, the cell splits into two separate cells. It's as if your candy suddenly transforms into two separate candies. Now, each new cell can grow and perform its own duties independently, just like you and your friend enjoying your own pieces of candy.

In summary, cell mitosis is like a cell splitting into two identical cells by copying and dividing its contents. It ensures that each new cell has all the necessary instructions to function correctly and carry out its unique roles.