

Name _____

The Marvelous World of Mitosis

Short Answer Key

1. Mitosis helps in tissue repair by producing new cells to replace damaged ones, allowing wounds to heal.
2. Prophase involves the formation of mitotic spindles.
3. During anaphase, the sister chromatids are pulled apart towards opposite ends of the cell.
4. Interphase is the longest phase because it involves cell growth, DNA duplication, and preparation for cell division.
5. Mitosis allows cells to multiply, which results in an increase in the number of cells, leading to the growth of an organism.

