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| **Prophase** |  | Mitosis begins. The nuclear membrane dissolves. Chromosomes condense into rod-like structures. |
| **Metaphase** |  | The Chromosomes line up along the equator of the cell. Homologous chromosomes pair up. |
| **Anaphase** |  | The chromatids separate and move to opposite sides of the cell. |
| **Telophase** |  | A Nuclear Membrane forms around each set of chromosomes, and the chromosomes unwind. Mitosis is complete. |