

Mitosis

- The nuclear membrane forms again around the chromosomes
- The chromosomes relax into chromatin
- Cytokinesis begins: two cells pinch off
- Two identical daughter cells are formed.

- Chromosomes line up in the middle of the cell

- Chromatin condenses to form chromosomes made of two sister chromatids. (Remember this was already copied in the cell cycle!)
- Nuclear membrane breaks down
- Microtubules begin to form

- Sister chromatids (the two parts of the chromosome) come apart and become chromosomes all by themselves
- Microtubules attached to chromosomes drag half of each chromosome to the opposite side of the cell
- Centromeres divide

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