6:7 Cytokinesis

CYTOKINESIS: the division of the parent cell’s cytoplasm into two daughter cells.

Events of Cytokinesis:

1. Immediately follows mitosis.
2. Cytoplasm from original parent cell splits to form two new cells.
3. Each new cell contains one of the nuclei formed by mitosis.
4. Other cell structures are evenly distributed into two new, equally sized cells.

### DIFFERENCES IN CYTOKINESIS - PLANT versus ANIMAL

ANIMAL 🡪 cell membrane pinches in dividing the cell with a cleavage furrow

PLANT 🡪 cell plate (which becomes cell wall) forms in the middle of the cell; cannot pinch because too rigid

Summary of Events in the Cell Cycle

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