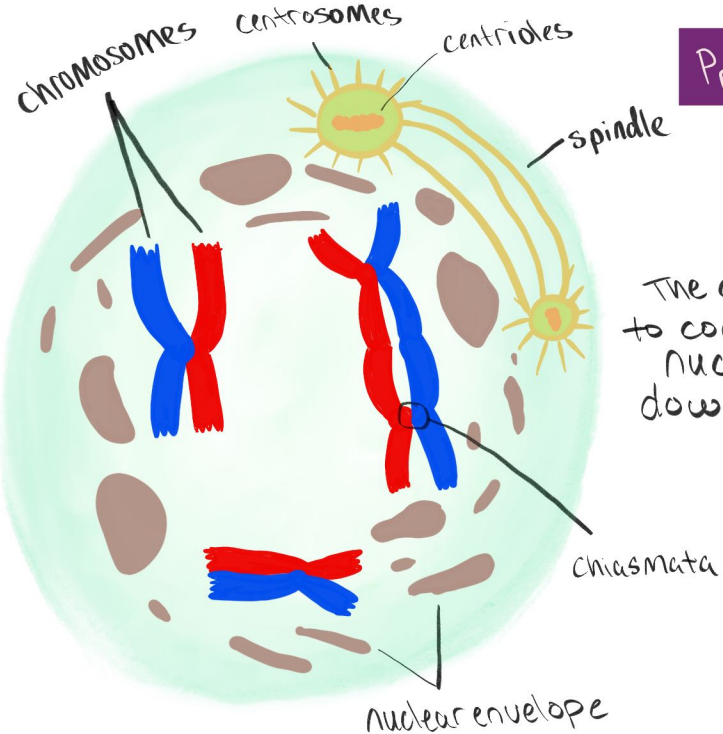
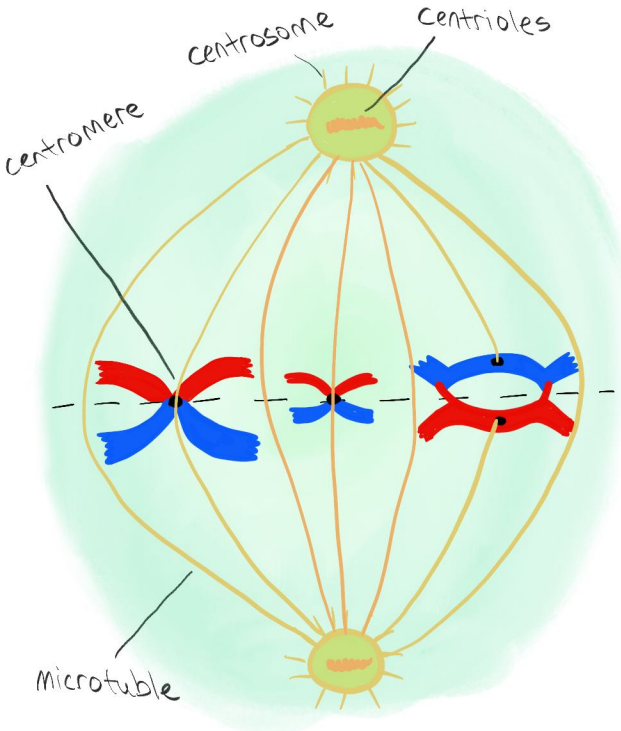
Prophase I



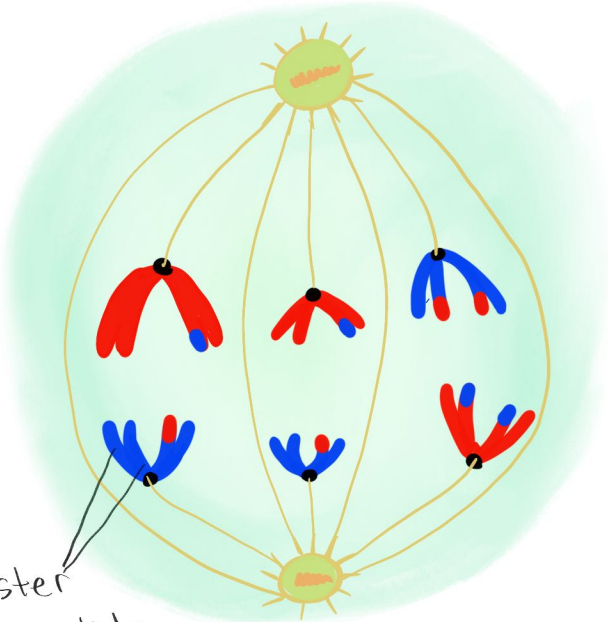
The chromosomes begin to condense, causing the nuclear envelope breaks down. Crossing-over also occurs.

Metaphase I

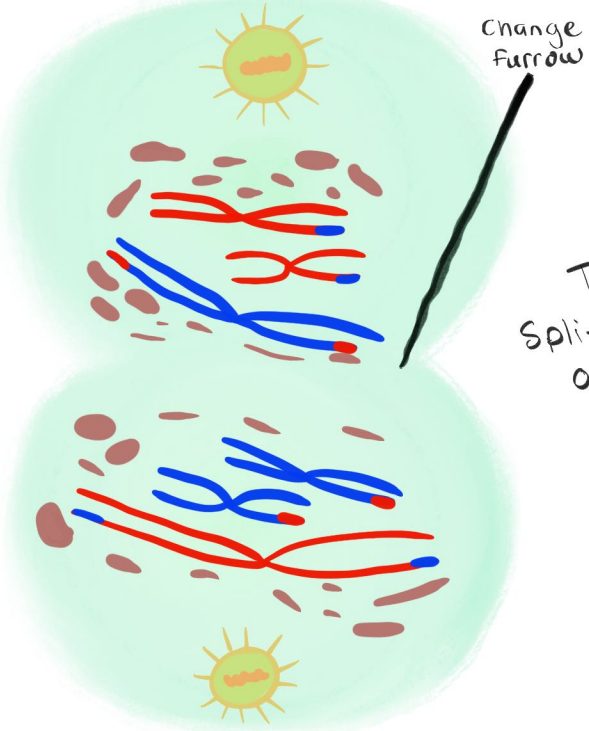


The pairs of homolgous chromosomes move to the middle of the cell.

Anaphase I

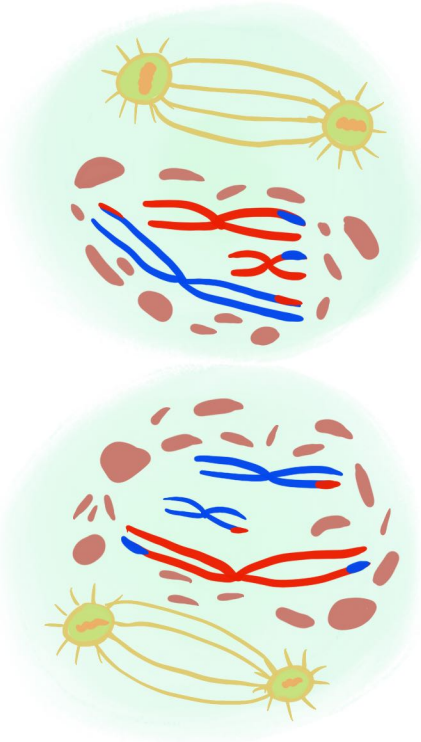


The pairs then get pulled to the opposite sides of the cell.



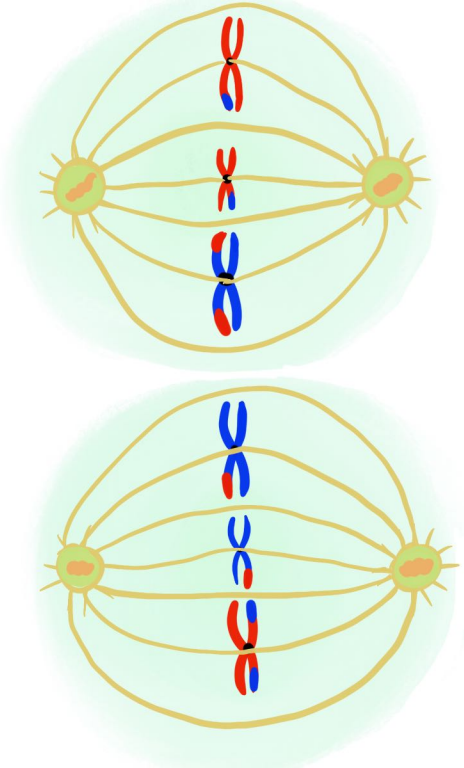
Telophase I & Cytokinesis

The chromosomes fully split to the opposite sides of the cell and the cytoplasm starts to divide and the cell splits.



Prophase II

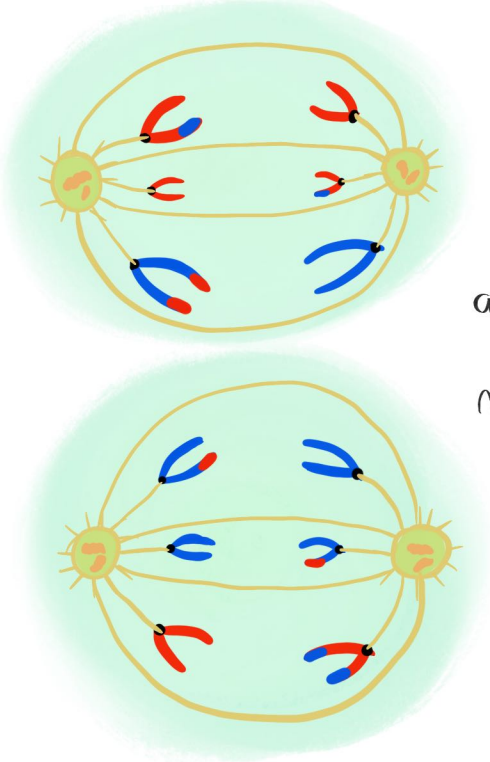
A brand new spindle forms around the chromosomes in the two new cells.



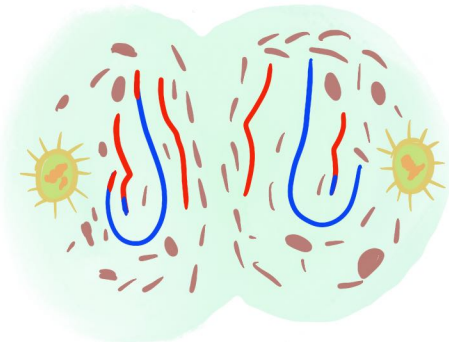
Metaphase II

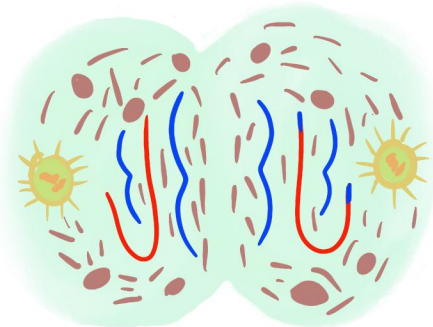
The chromosomes once again line up in the middle of the two cells.

Anaphase II



Chromosomes are pulled apart, causing the centromeres to divide and the chromatids move to the opposite sides of the cell.





Telophase II + cytokinesis

A new nuclear envelope forms around each of the new pairs of chromosomes and the cytoplasm divides to create four new cells.