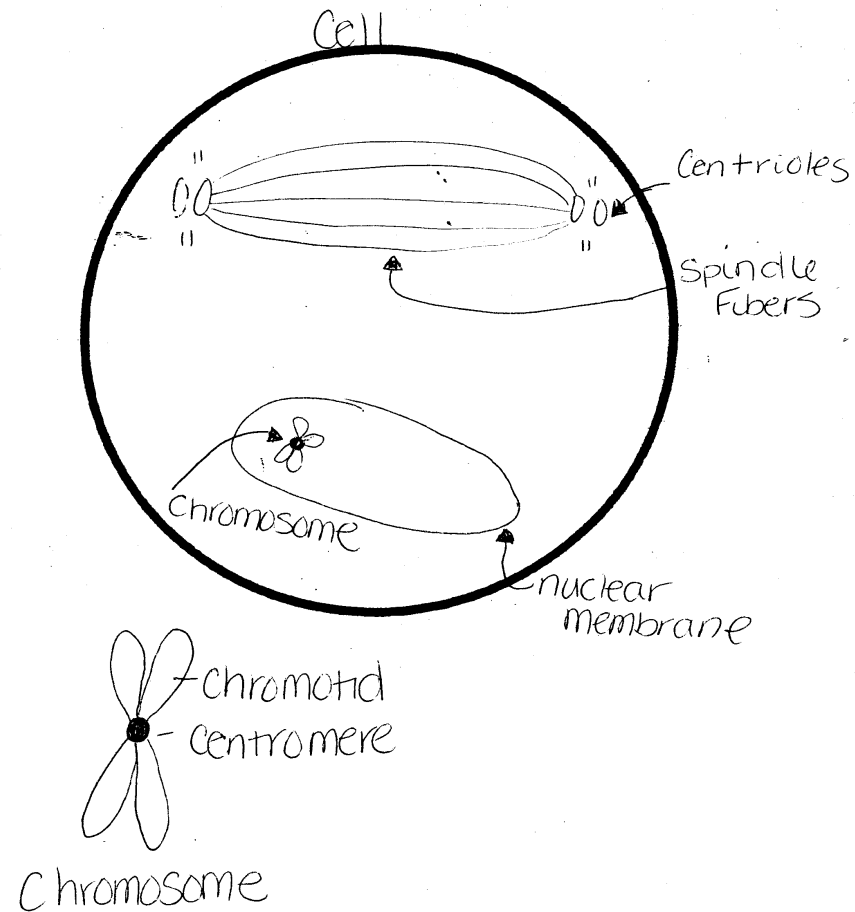


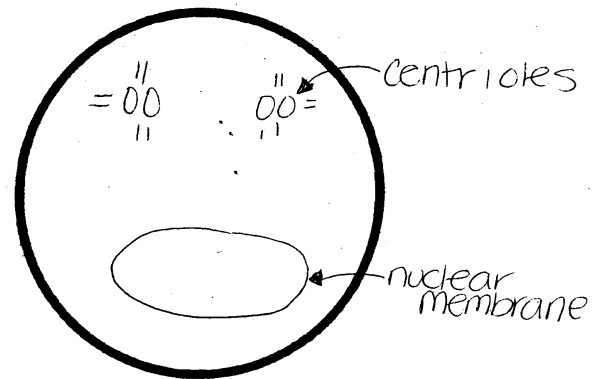
Mitosis

**SOME IMPORTANT STRUCTURES INVOLVED IN
CELL DIVISION**



Cell Division

Stage: Interphase

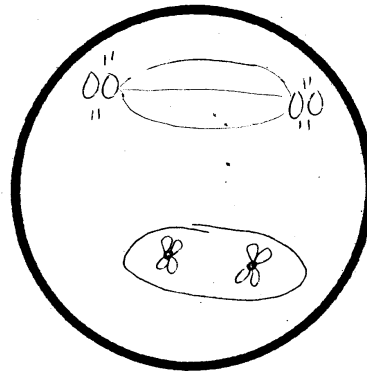


- * Step before cell division begins
- * Cell grows to full mature size
- * makes a copy of its DNA



Cell Division

Stage: Prophase

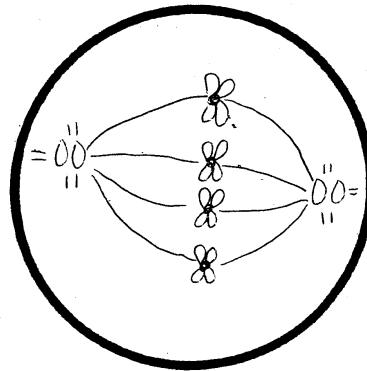


- | |
|---|
| * 1 st Stage of Mitosis |
| * Centrioles form spindle fibers |
| * Centrioles move to opposite sides of the cell |
| * Nuclear membrane dissolves |



Cell Division

Stage: Metaphase



*2nd Stage of Mitosis

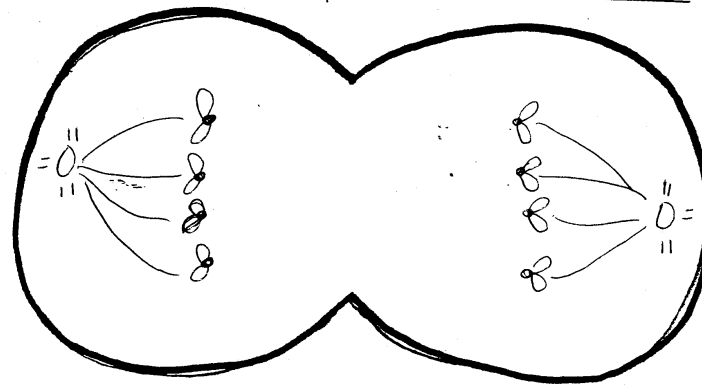
* Chromosomes line up in the middle

* Chromosomes are attached to the spindle fibers



Cell Division

Stage: Anaphase



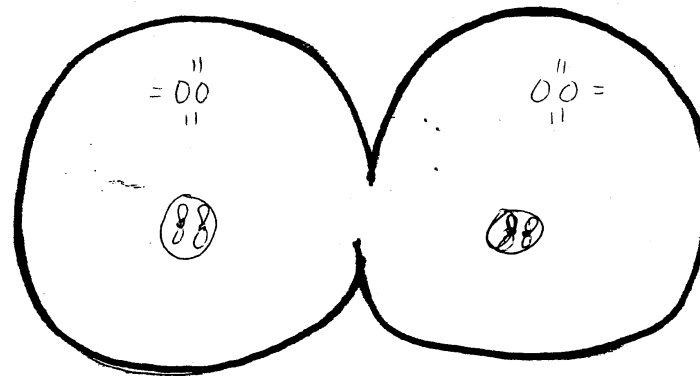
*3rd Stage of mitosis

* Chromosomes split and move to opposite sides of the cell



Cell Division

Stage: Telephase



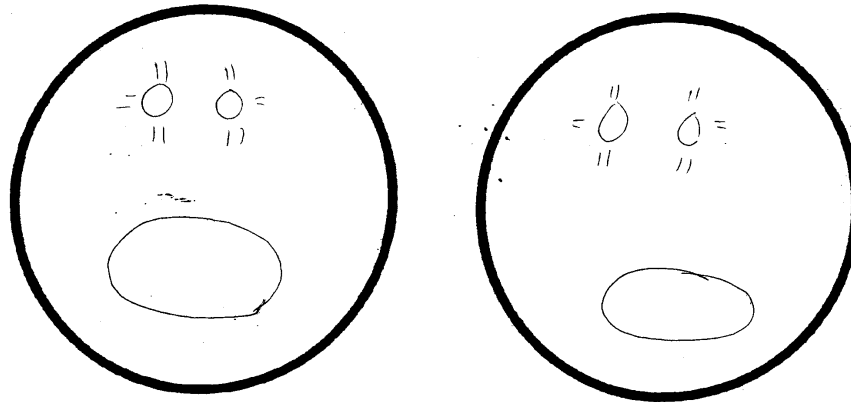
*4th Stage of mitosis

* Nuclear membrane returns
and surrounds chromosomes.



Cell Division

Stage: Cytokinesis



* 2 daughter cells are formed

* Nuclei are exactly the same

* Each daughter cell is about $\frac{1}{2}$ the size of the parent cell.



