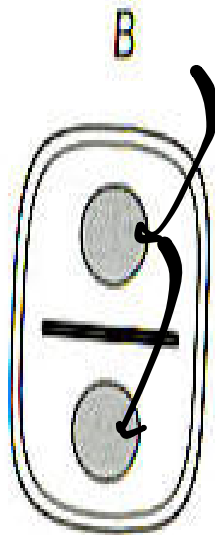
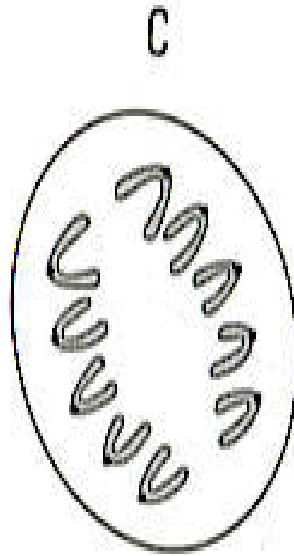




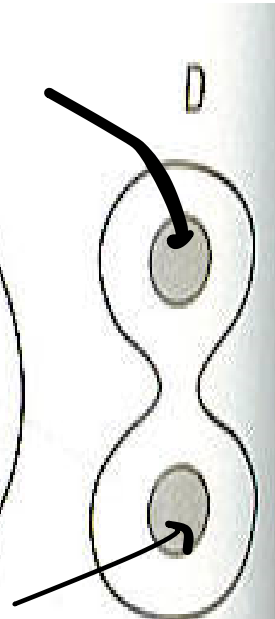
Metaphase



Telophase



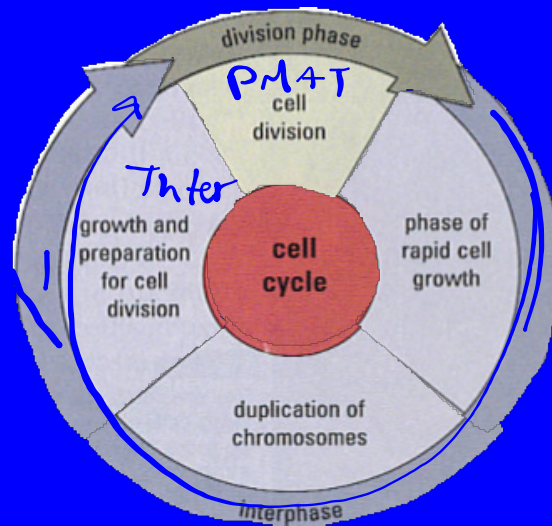
Anaphase

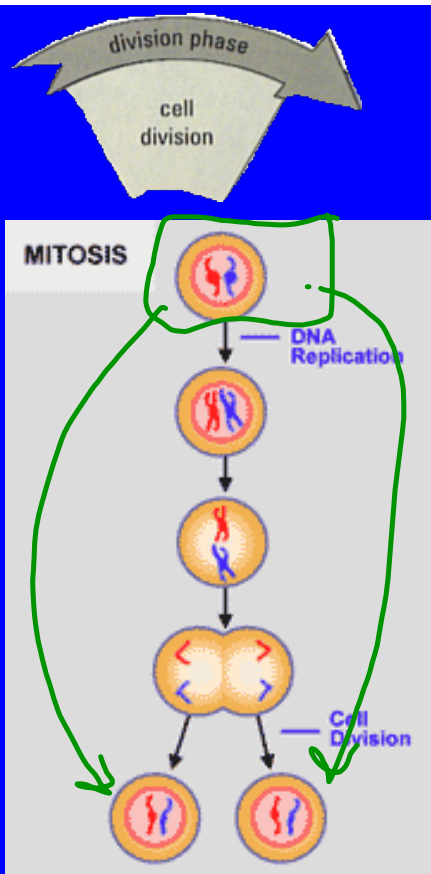


Telophase

## The Cell Cycle

Cells divide and rest. The sequence of event from one division to the next is called the cell cycle.



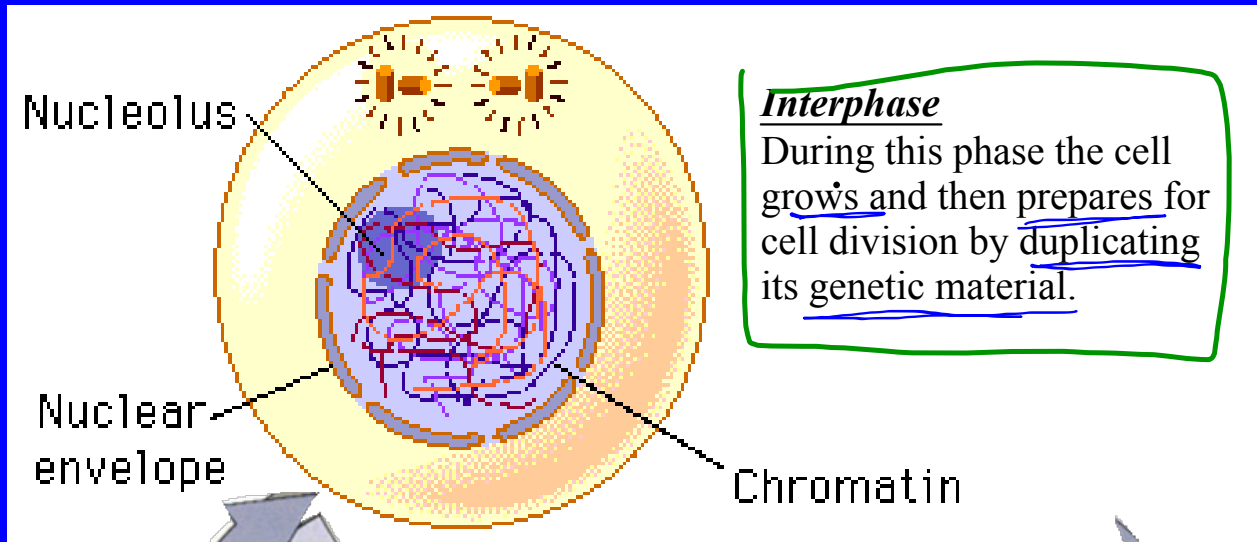


During mitosis (also called cell division), chromosomes are duplicated and move to opposite sides of the cell.

Return

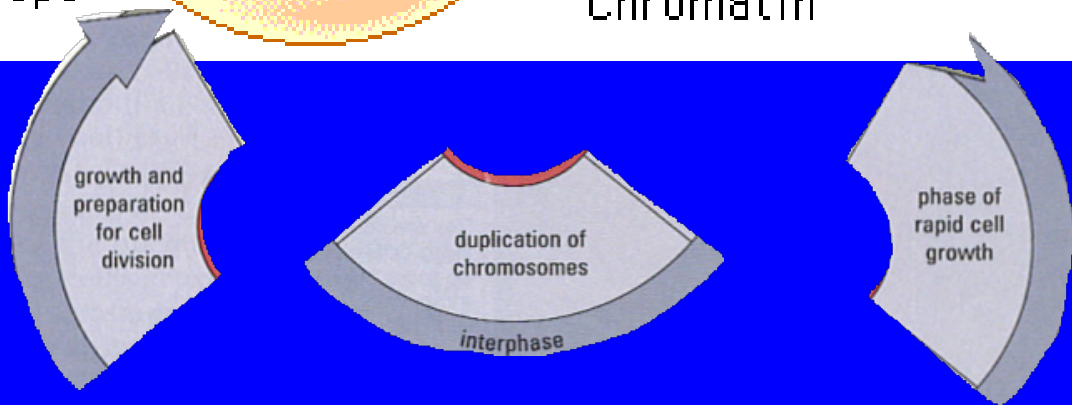


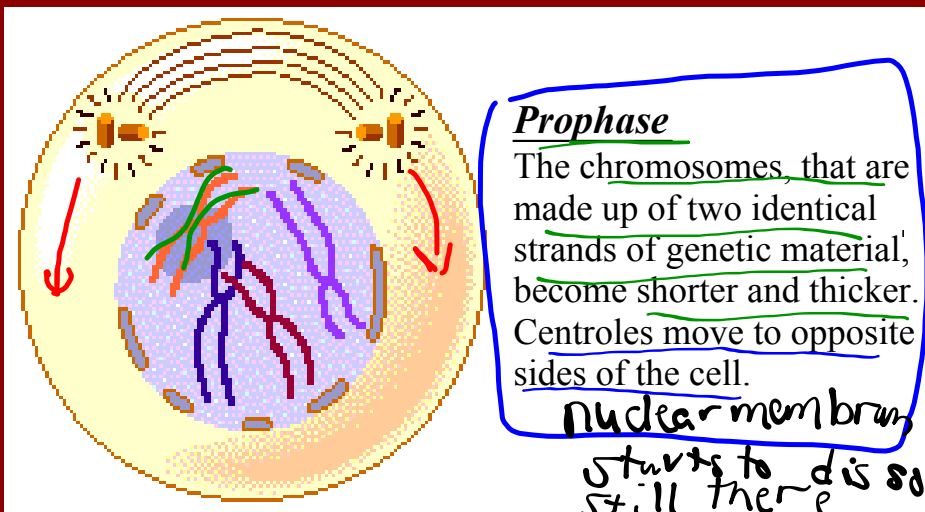
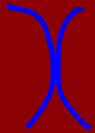
The stage between cell division is called interphase.



Interphase

During this phase the cell grows and then prepares for cell division by duplicating its genetic material.





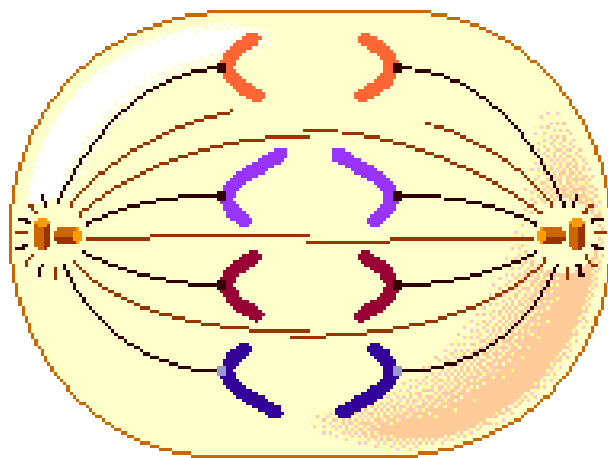
**Prophase**  
The chromosomes, that are made up of two identical strands of genetic material, become shorter and thicker. Centrosomes move to opposite sides of the cell.

nuclear membrane starts to disson still there



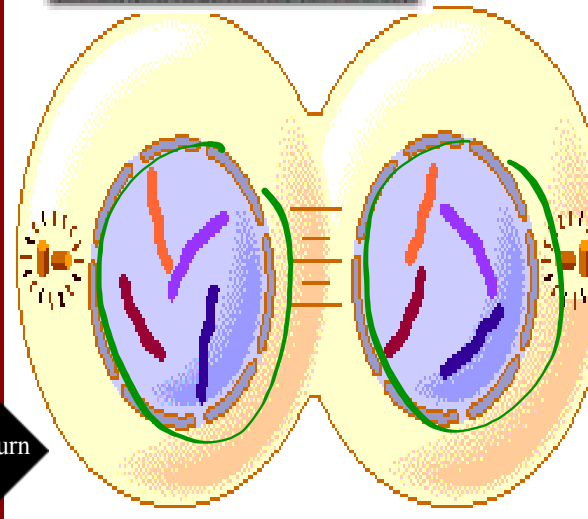
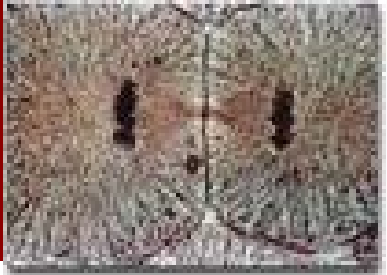


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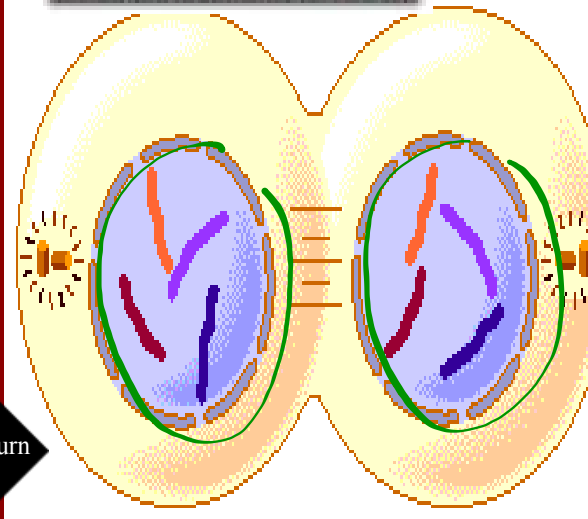
### Anaphase

The chromosomes are separated and move toward the opposite poles.



### Telophase

The chromosomes reach opposite poles of the cell, and a nuclear membrane begins to form around each. Cytoplasm separates into two equal parts.

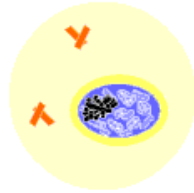
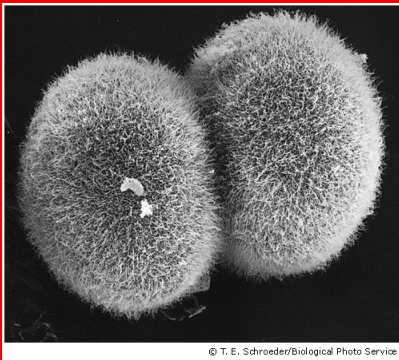


### Telophase

The chromosomes reach opposite poles of the cell, and a nuclear membrane begins to form around each. Cytoplasm separates into two equal parts.



Cell division continues with the separation of the cytoplasm into two equal parts. This is called cytokinesis.



The cytoplasm pinches to form two new cells.



Cytokinesis in Plant Cells

Interphase

Two daughter cells are formed and the process begins again.



Read pg 150-153

In-Class Assignment/Homework

Page 153 #2,3,5,6,8,9

Quiz Tuesday on Labeling Mitosis Diagrams

& Questions about chromosomes #

Classwork, if not completed in class - HOMEWORK

Page 153 #2,3,5,6,8,9



Read Page 164-165

- Page 165 - Questions 1,3,4,6,7

**(This is to be handed in as an assignment)**