

Name: _____

Date: _____

Cell Cycle and Mitosis

The cell cycle, or cell-division cycle, is the series of events that take place in a eukaryotic cell between its formation and the moment it replicates itself. These events can be divided in two main parts: Interphase (in between divisions phase grouping G phase, S phase, G. phase), during which the cell is forming and carries on with its normal metabolic functions: the mitotic phase (M mitosis), during which the cell is replicating itself. Thus, cell-division cycle is an essential process by which a single-cell fertilized egg develops into a mature organism and the process by which hair, skin, blood cells, and some internal organs are formed.

1. In what type of cells prokaryotes or eukaryotes cycle occur?
eukaryotic cell
2. **interphase** dividing is in between the times when a cell is
3. What is occurring during the mitosis phase? **the cell is replicating itself**
4. What is occurring in a cell during interphase? **the cell is forming and carries on with its normal metabolic functions**
5. Name the 2 main PHASES of the cell cycle. **Interphase, mitotic phase (M mitosis)**
6. What is meant by the cell cycle or cell division cycle? **events that take place in a eukaryotic cell between its formation and the moment it replicates itself does the cell**