

THE CELL CYCLE

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_1 **phase**, G_2 **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. \	What	is me	ant by	the cel	l cycle	or cell	division	cycle?
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2. In what type of	cells prokaryotes or eukaryotes does the	cell
cycle occur?		

3.	Name	the	2	main	PHA	ASES	of	the	cell	cvcle	е.
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1	is in hetween	the times when a	cell is dividing
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- 5. What is occurring in a cell during interphase?
- 6. What is occurring during the mitosis phase?
- 7. A fertilized cell develops into a ______ organism during the cell cycle.
- 8. Name three things that form during the cycle.