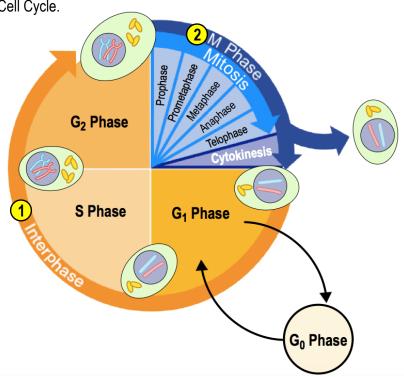
CONCEPT: INTRODUCTION TO THE CELL CYCLE

•Cell _	: a rep	resentation of the events that a cell performs from the moment it is formed to when it divides
	□ Cell cycle is broken down into major phases:	
1_	;	a non-dividing phase for cell growth, DNA replication & production of organelles/enzymes.
	□ Includes 4 subphases:,, &	
2_	(Mitotic) Phase	a dividing phase that separates the genetic material while producing multiple cells.
	□ M Phase =	+ Cytokinesis.
	□ Mitosis consists o	of phases which we will discuss later.

EXAMPLE: Phases of the Cell Cycle.



PRACTICE: Before a cell divides, what must occur?

- a) Duplicating the cell's organelles.
- c) Duplicating enzymes needed for cellular division.

b) Replicating the cell's genome.

d) All of the above must occur before a cell can divide.

PRACTICE: When cells exit either semi-permanently or permanently from the cell cycle and develop a specific function, they are said to be in _____ phase.

- a) G0.
- b) G1.
- c) G2.
- d) G3.
- e) S.