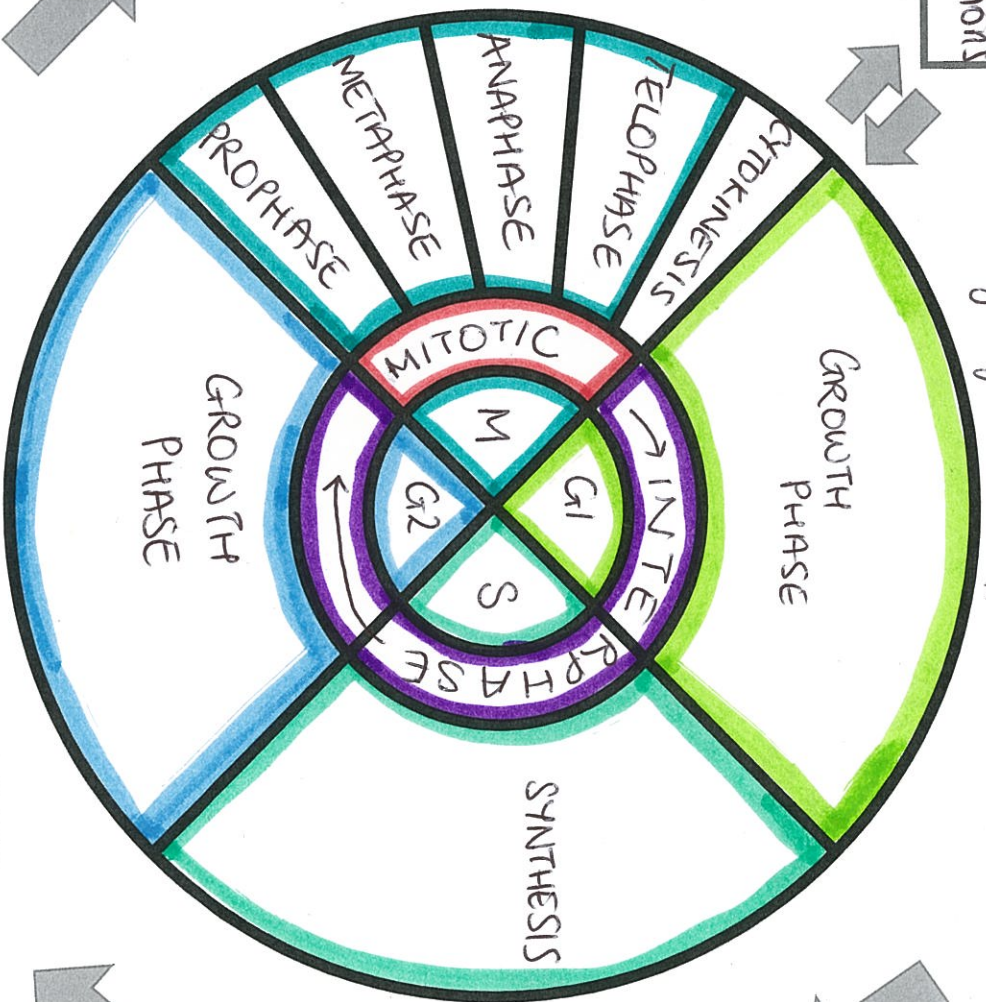


G0 actively  
 • cell not dividing or preparing to divide.  
 • performs normal functions

G1 PHASE  
 • cell produces new proteins/enzymes  
 • cell grows  
 • carries out normal tasks for the body  
 • generates sufficient ATP for division  
 • organelles copied

M Phase  
 • cell divides into two daughter cells.  
 •  $P \rightarrow M \rightarrow A \rightarrow T (+C)$   
 Nuclear division      cytoplasmic division.

G2 Phase organisation/  
 • growth and preparation for mitosis.



S Phase  
 DNA Replication  
 One chromosome (one chromatid)  $\rightarrow$  Two chromosomes (two chromatids)

\* Interphase  
 comprises of  
 G1, S + G2.