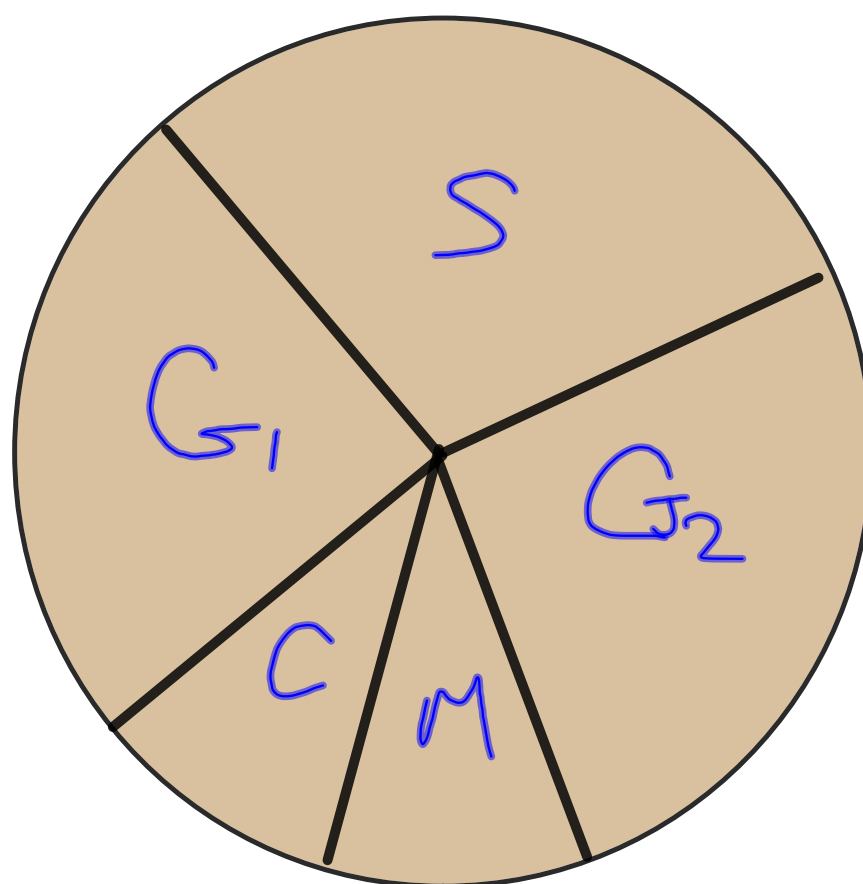


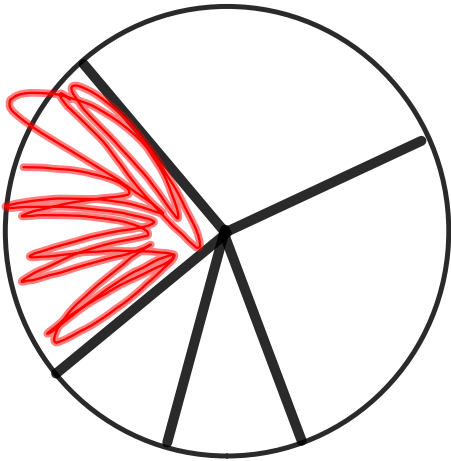
Notes on Chapter 6-2

Cell Cycle is the cell division on a eukaryotic cell.

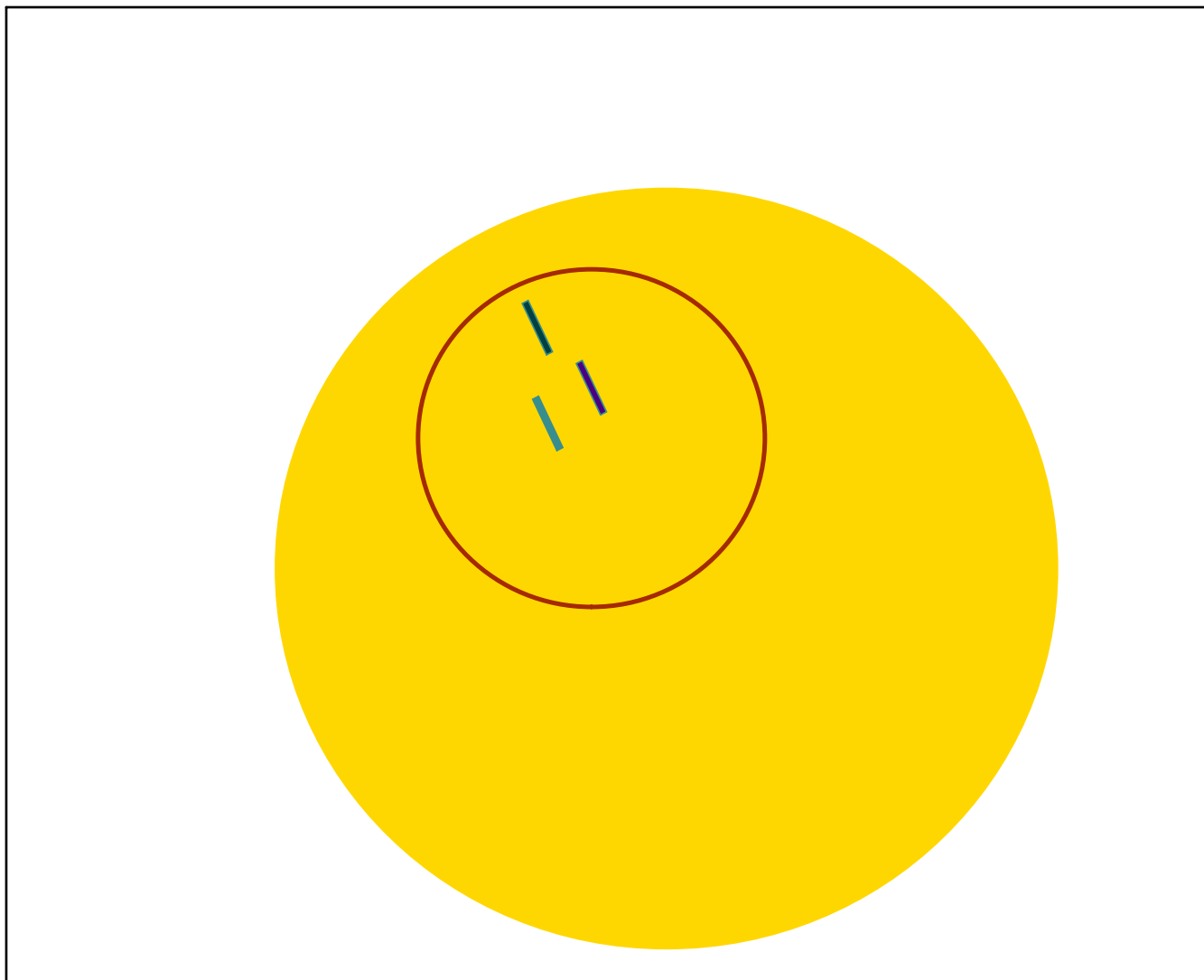
↖ has nucleus

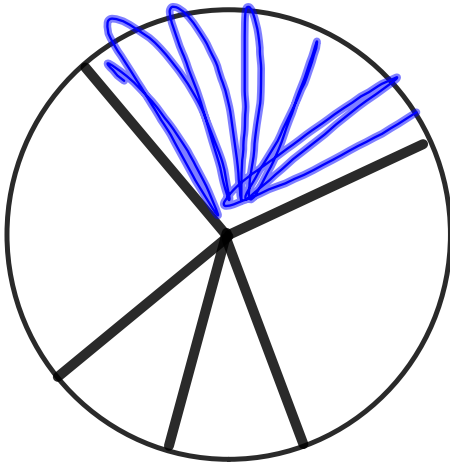
Cell cycle- a repeating Sequence of cellular growth and division during the life of an organism.





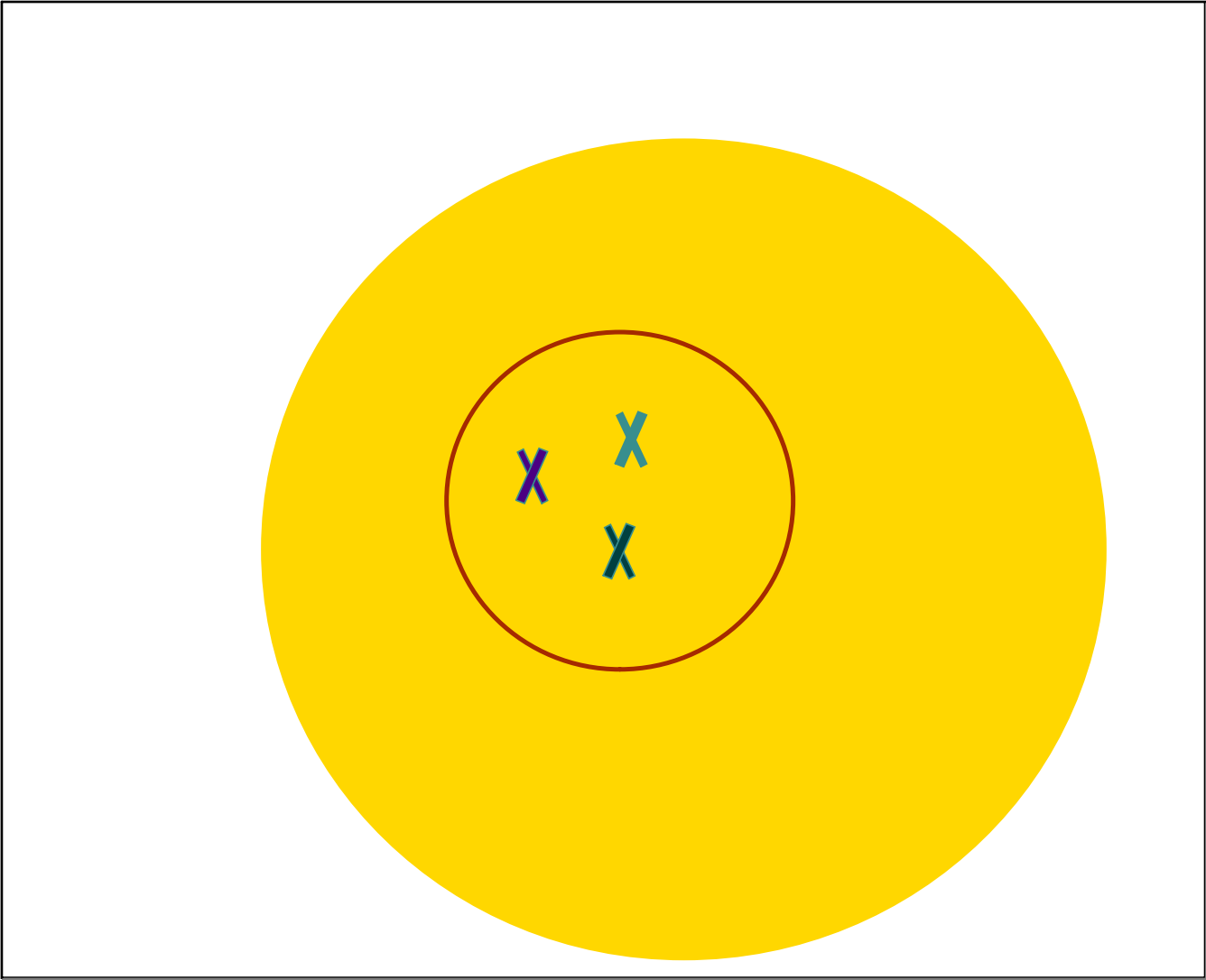
G_1 The first growth phase. A cell carries out its functions and grows. Cells that are not dividing stay in G_1

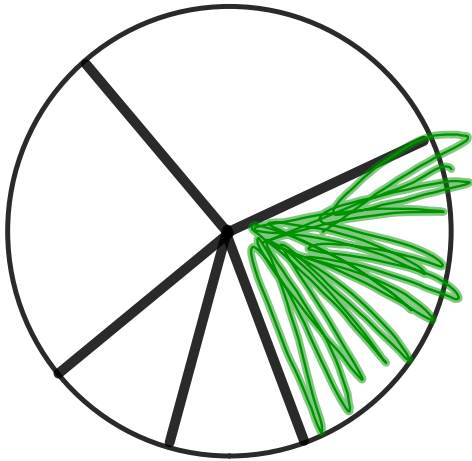




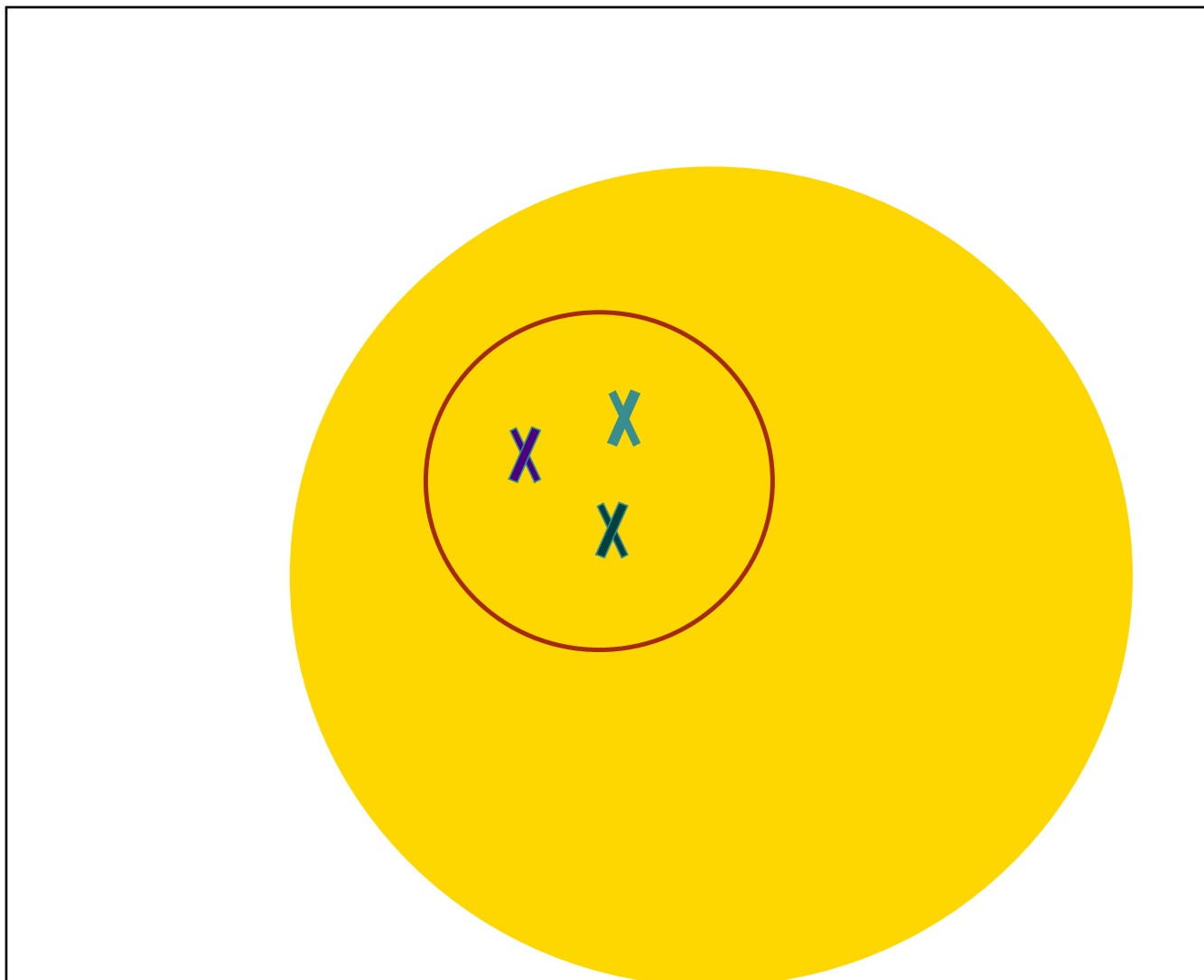
S phase- Synthesis- a cell's DNA is copied. At the end of this phase each chromosome consists of two chromatids attached at the centromere.

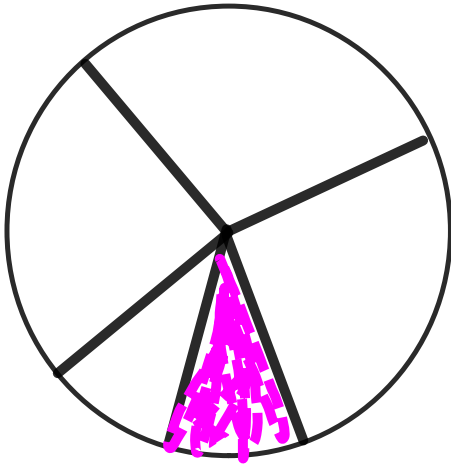




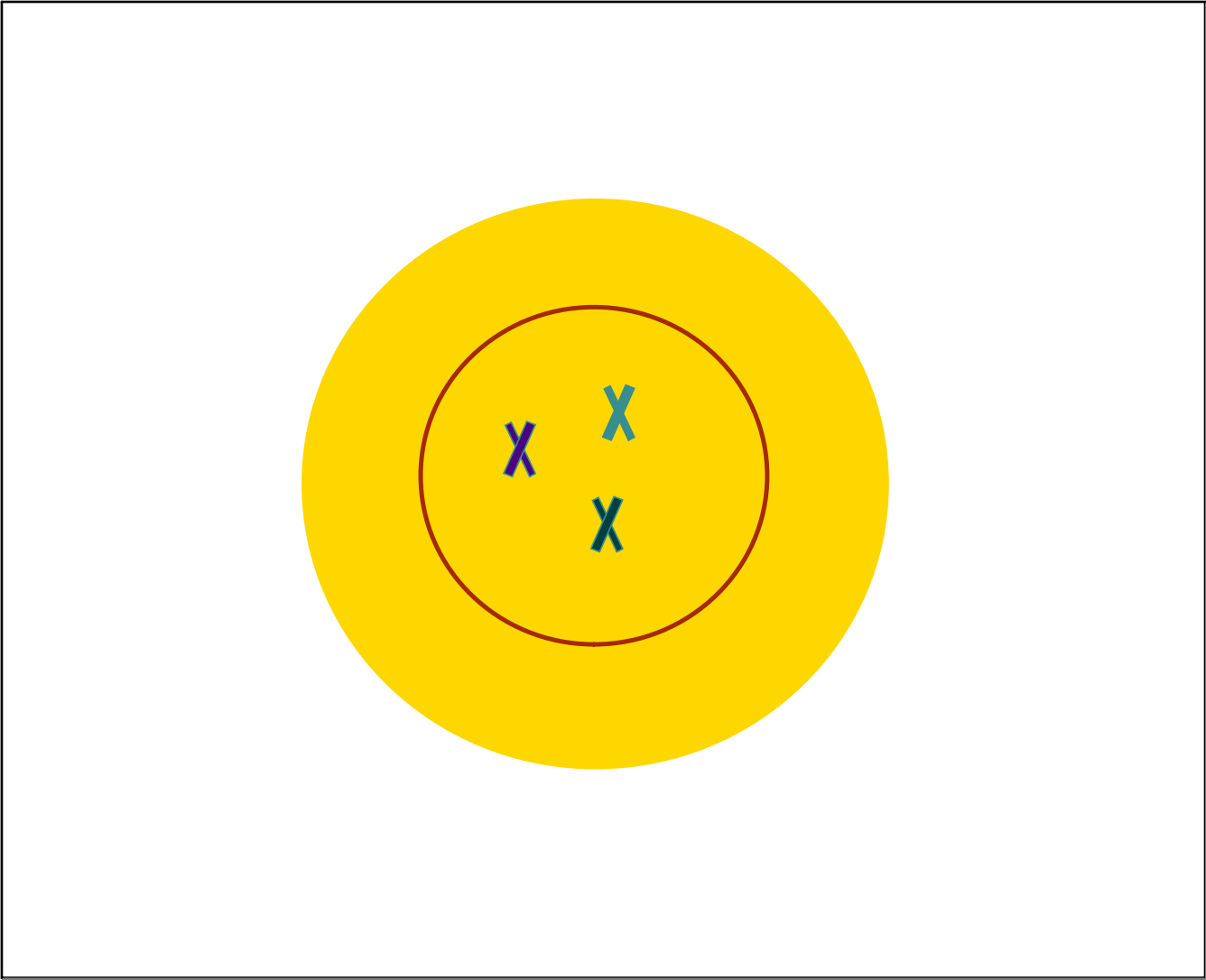


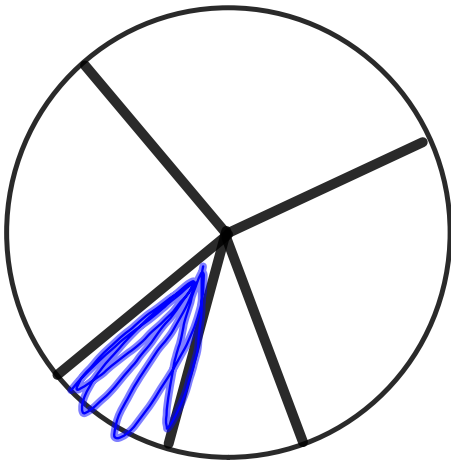
G₂ phase. The
2nd growth
phase. The cell
prepares to
divide.
Microtubules
are assembled.





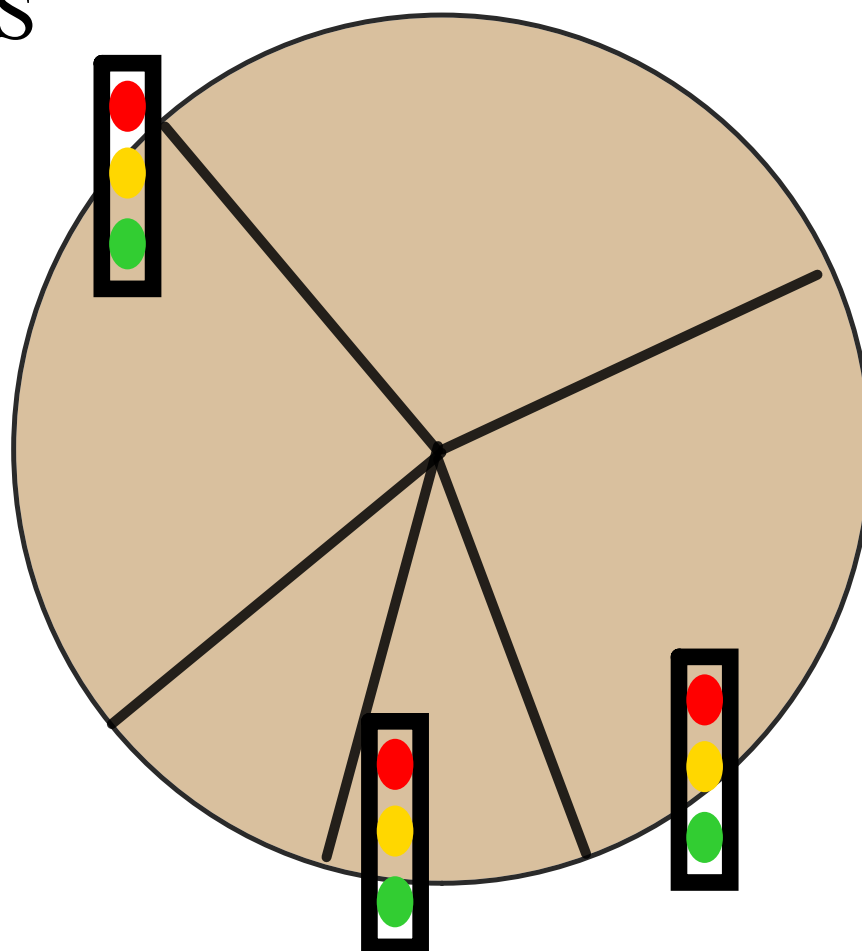
Mitosis- The
Process of cell
division. The cell
divides into two
nuclei.

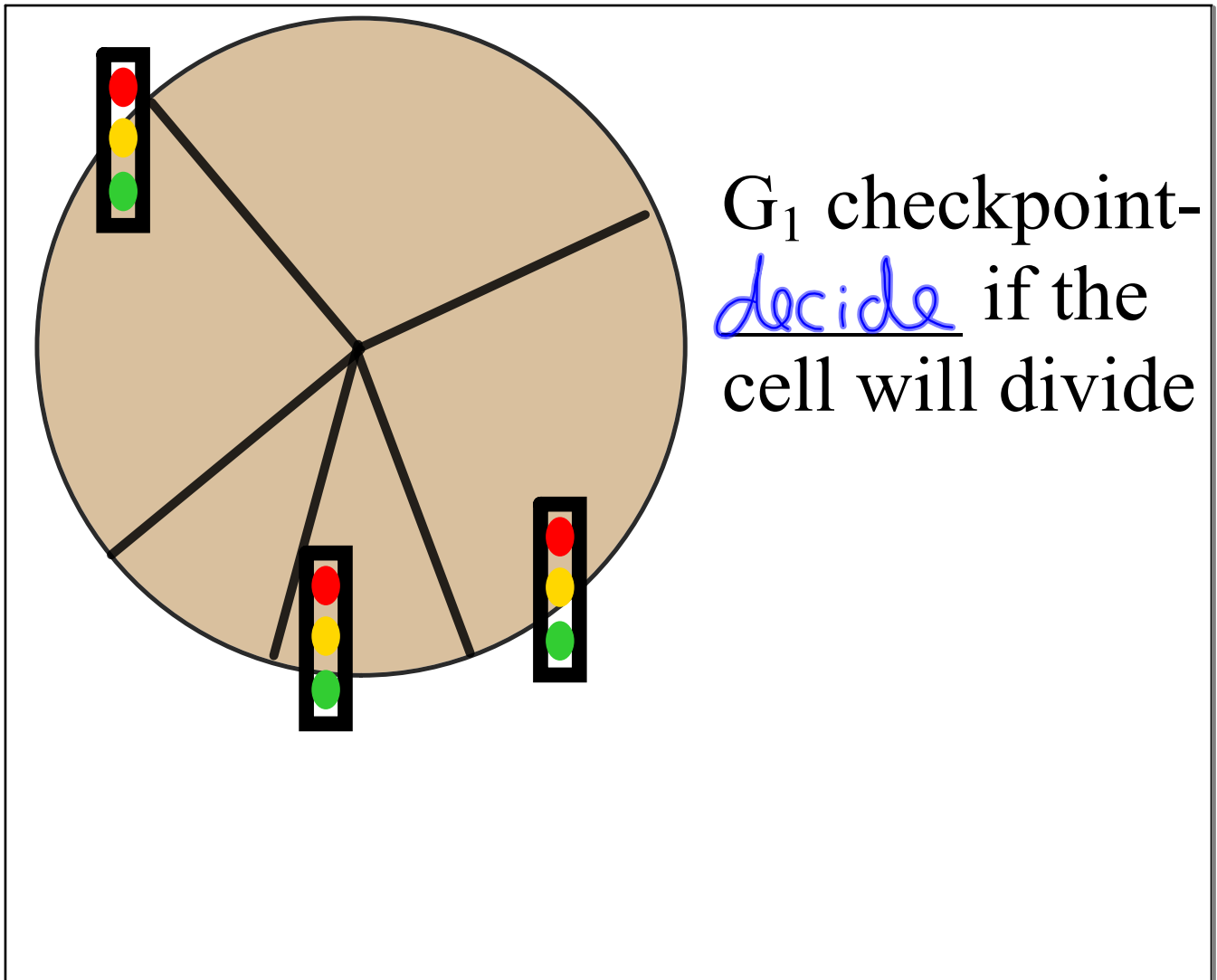


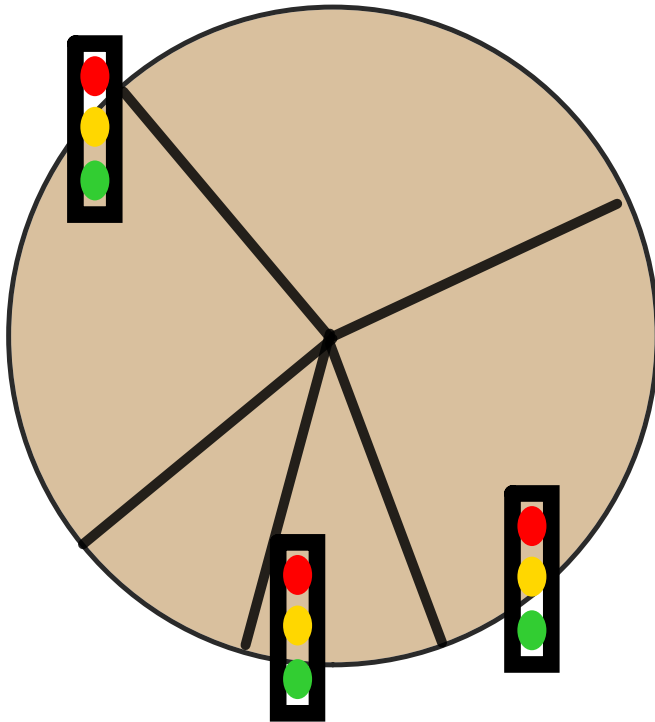


Cytokinesis- the
process by
which the
cytoplasm
divides.

STOPS







G₂ checkpoint-
DNA replication
is checked at this
point by DNA
Repair enzymes.
If this check
point is passed
the cell enters
mitosis.

