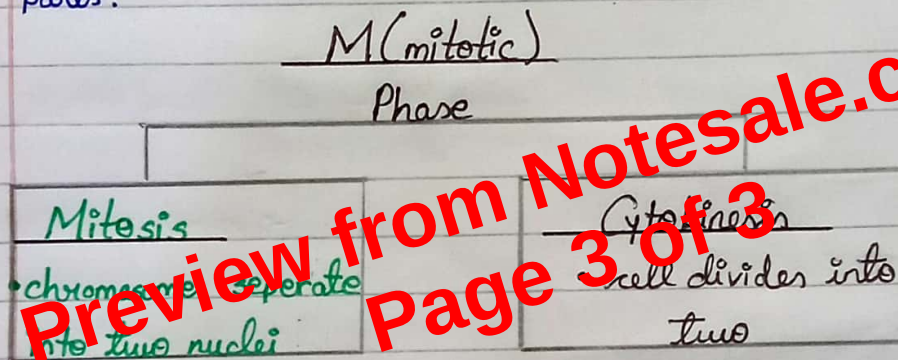


23/1/23

* S phase:- In the S phase of the interphase all the genetic material is copied. This is when DNA replication happens. They are going to split equal amounts of DNA into both the daughter cells that are produced so we need to replicate the chromosomes and they become double stranded chromatids

* G₂ phase:- Organelles duplicate. More cytoplasm is produced as the cell grows further ready for division. and DNA is checked for errors

* Once the cell has finished the G₂ phase it now enters the M or mitotic phase. We can divide the mitotic phase into two parts.



* Sometimes cell can exit the cell cycle if this happens then scientists say that the cell is in the G₀ phase

The cells can enter G₀ for 3 reasons:-

