

2 Basic Goals:

- 1) Grow
- 2) Divide

What is the Normal Cell Cycle?

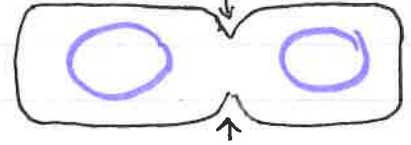
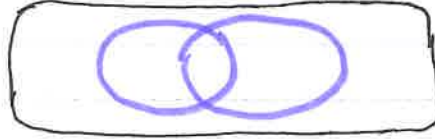
Prokaryotic Division

NO nucleus, 1 loop of DNA

1) DNA unzips & replicates

2) Cell Divides

Binary Fission

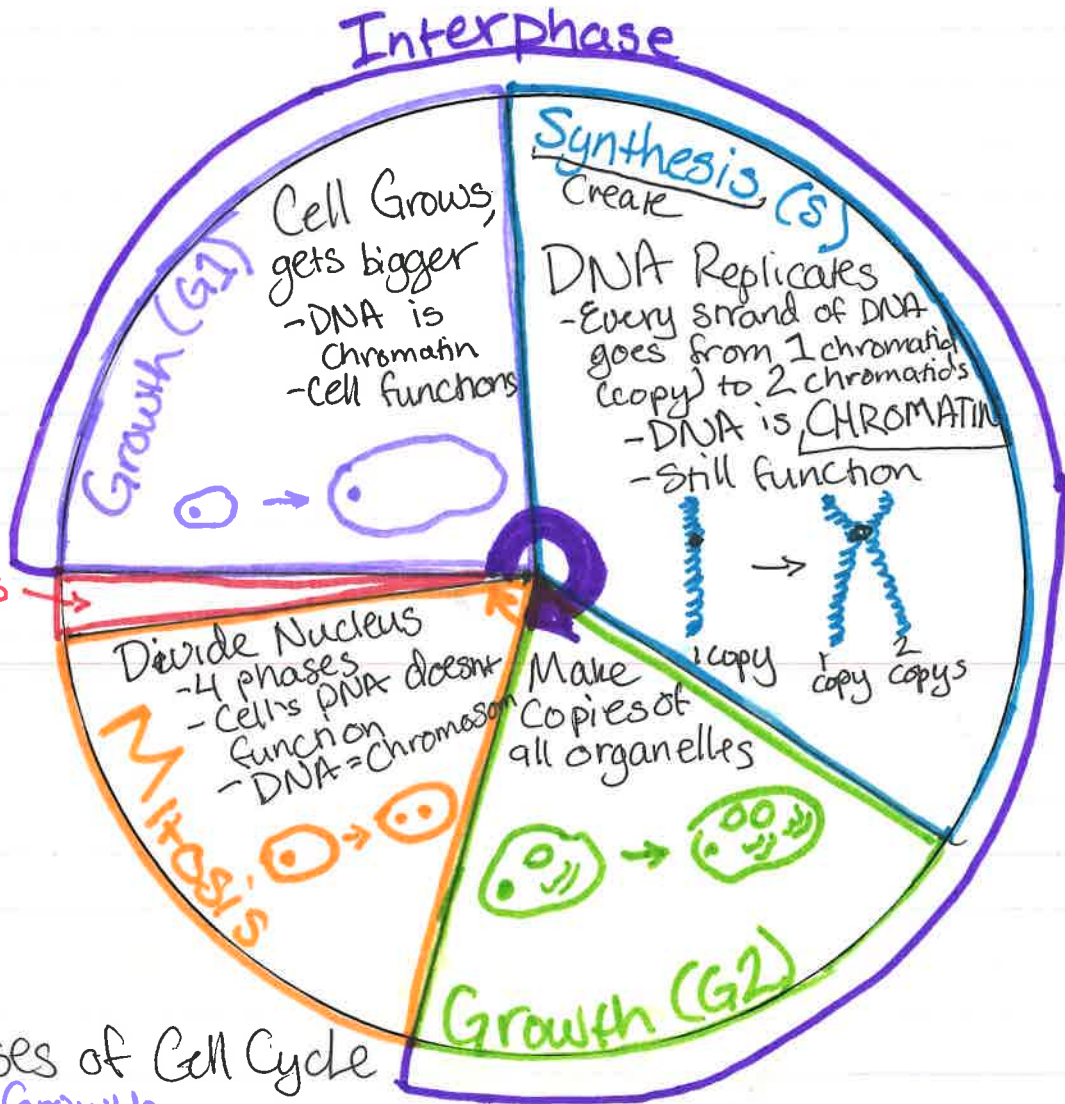


Eukaryotic Division

Have a nucleus, multiple individual chromosomes

Cell Cycle in Phases

Cytokinesis - cell divides



- Phases of Cell Cycle
- G1: Growth
  - S: DNA replication
  - G2: Organelles replicate
  - M: Nucleus divides
  - C: Cell divides