

DN is
a check sheet
- messy
- specificity

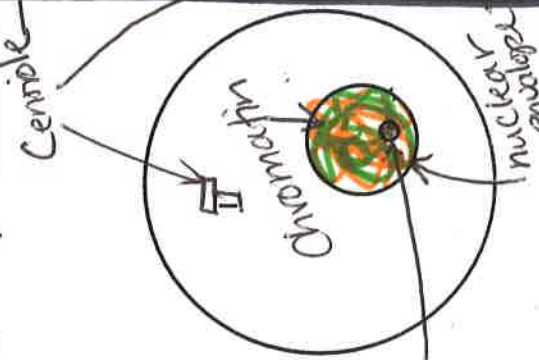
Chromatin
- organized
- Super coiled

Chromosome
- organized
- Super coiled

Unreplicated
one copy of
each DNA
strand

Replicated
- DNA has
Replicated
2 copies

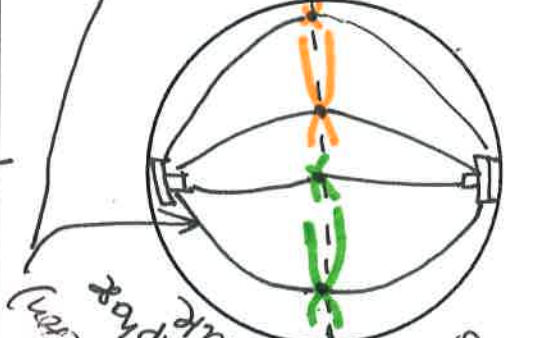
Interphase



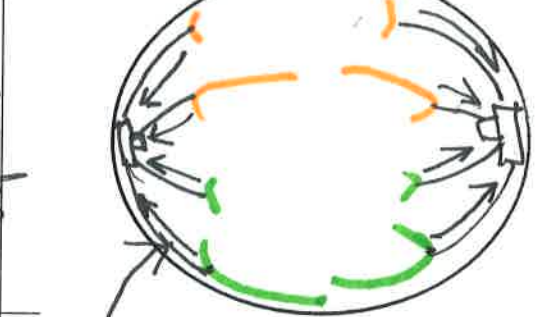
Prophase



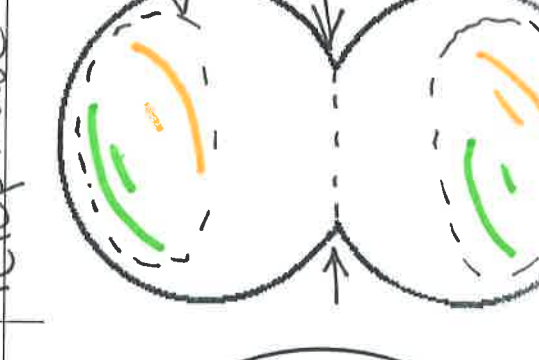
Metaphase



Anaphase



Telophase



NOT MITOSIS

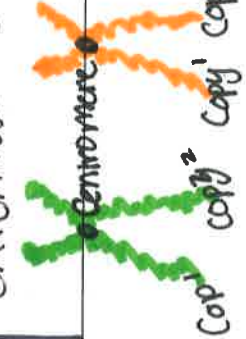
Prep for mitosis
G₁: Growth
S: DNA replicates
G₂: Organelles replicate
2 copies of everything in the cell

Centrioles move to each end of cell
- Spindle fibers form
- Nuclear envelope breaks down
- DNA super coils into chromosomes

Centrioles at poles
Spindle fibers attached to centromere
- Replicated chromosomes line up on metaphase plate
All line up in middle

Replicated chromosomes pulled apart into 2 unreplicated chromosomes
- Spindle fibers disappear
- cytoplasm splits
- membrane pinches in.

unreplicated chromosomes reach poles
- Nuclear re-forms
- Spindle fibers disappear
- cytoplasm splits
- membrane pinches in.



Cytokinesis is when 2 daughter cells

Form 2 daughter cells