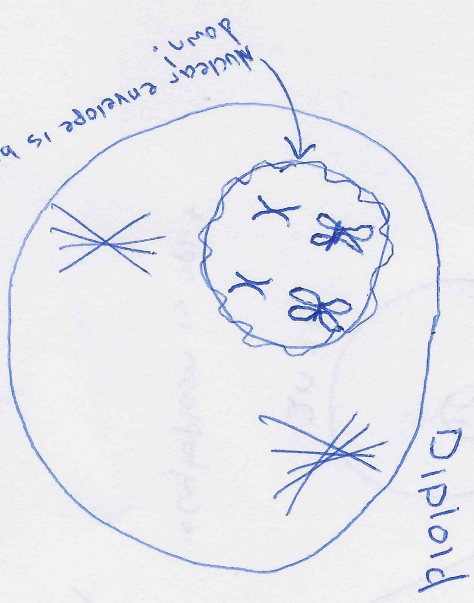


Mitosis ($2n=4$)

QUESTION 1

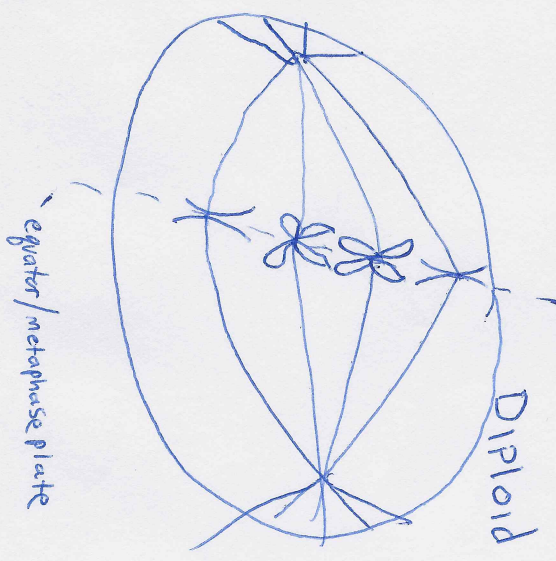
Scott Nelson
Brandie Mounteer
Richard Wadman
5/21/14

PROPHASE



- Chromosomes are tightly packaged in this stage
- Centrioles migrate to opposite poles

METAPHASE

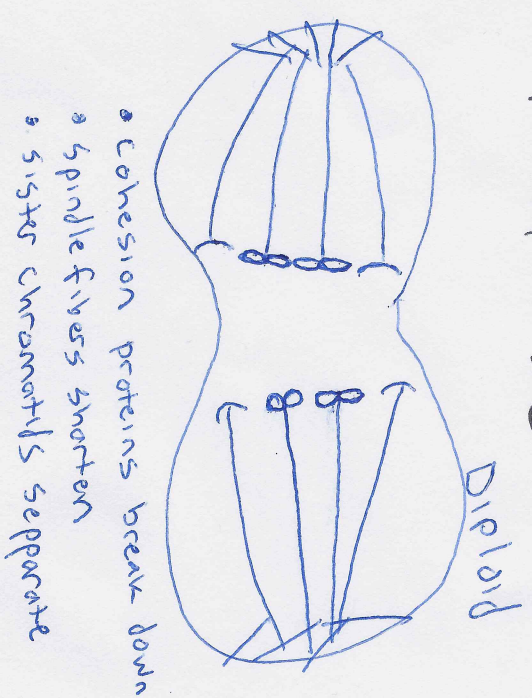


Pro metaphase



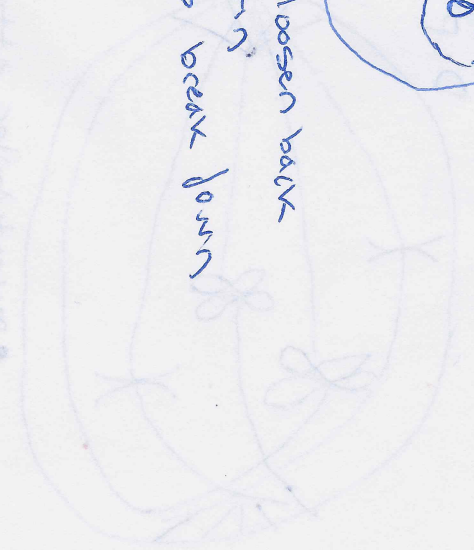
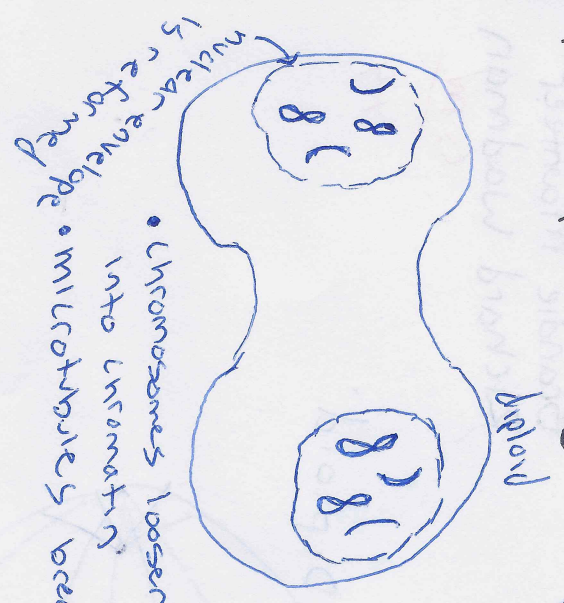
- microtubules attach to chromosomes at the centromere
- microtubules begin to elongate the cell

Anaphase

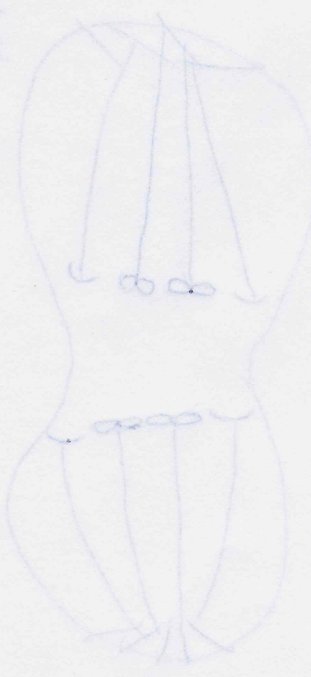


- cohesion proteins break down
- spindle fibers shorten
- sister chromatids separate

TELOPHASE

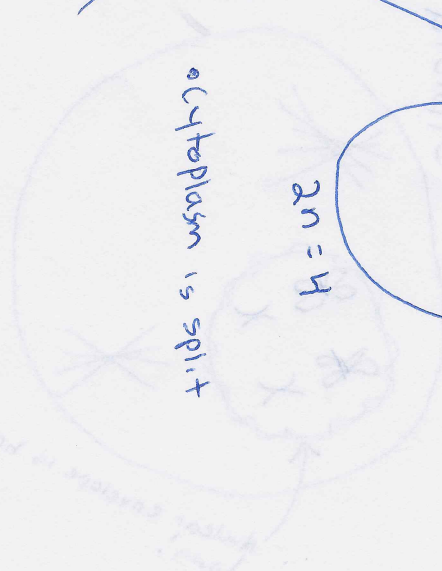
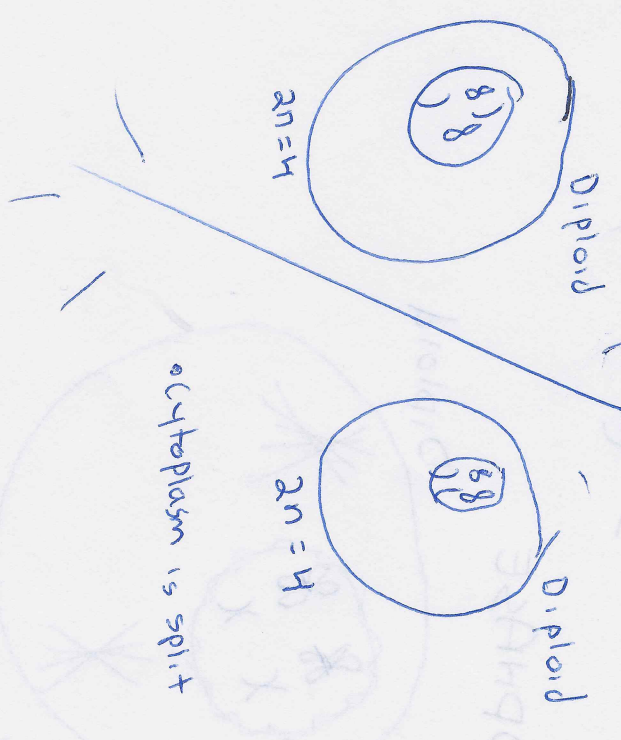


diploid



diploid

CYTOKINESIS



diploid



diploid