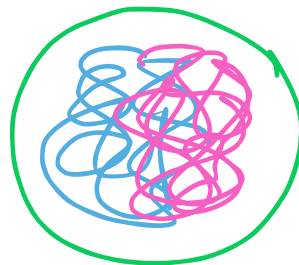


MEIOSIS

INTERPHASE

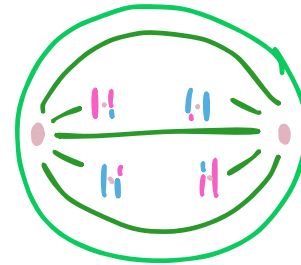
$G_1 \rightarrow$ checkpoint/growth
 $S \rightarrow$ DNA synthesis
 $G_2 \rightarrow$ checkpoint

PROPHASE



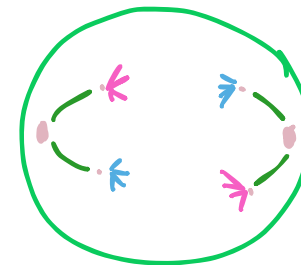
- DNA uncoils
- condenses into chromosomes
- crossing over (synapsis) occurs

METAPHASE I



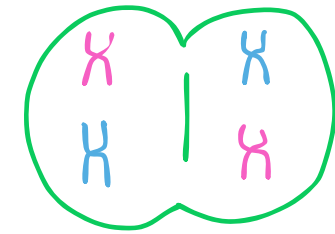
- homologous pairs line up
- spindle fibers attach

ANAPHASE I



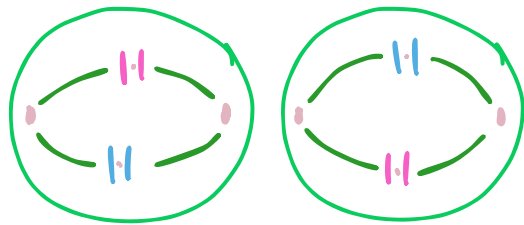
- chromosomes separate

TELOPHASE/CYTOKINESIS I



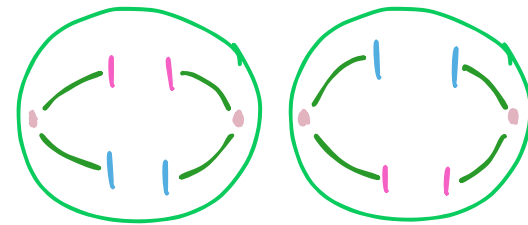
- cells split w/ DNA

METAPHASE II



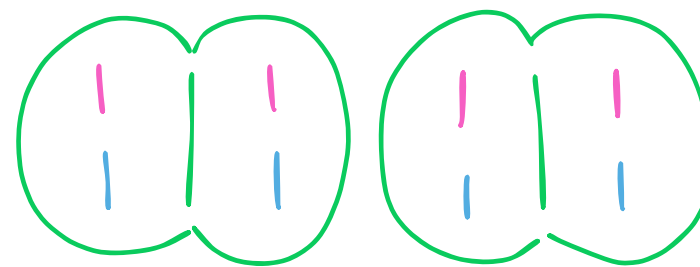
- spindles attach to sister chromatids
- split at centromere

ANAPHASE II



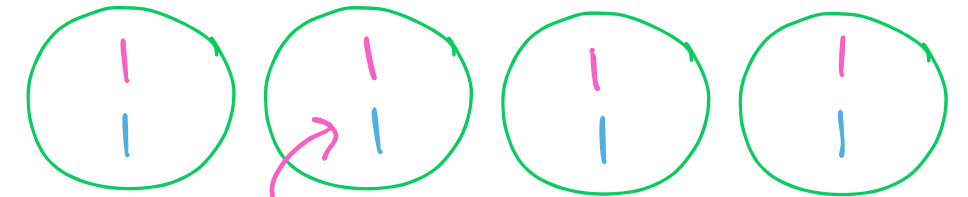
- chromatids split

TELOPHASE II



cells split!
DNA re-condenses

CYTOKINESIS II



haploid cells

★ cells produced contain genetic material from both parents